

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

(In thousands of dollars)

P-1	Budget Request	House	Senate	Conference
4 MACHINE GUN AMMUNITION	25,674	33,874	29,674	32,674
PGU-28 A/B, 20mm ammunition		+8,200	+4,000	+7,000
6 CARTRIDGES & CART ACTUATED DEVICES	26,182	30,182	26,182	29,582
FLU-12/P life vest inflator		+4,000		+3,400
21 LINEAR CHARGES, ALL TYPES	10,286	13,286	20,286	17,786
Anti-Personnel Obstacle Breaching System (APOBS)		+3,000	+6,000	+4,500
Charge, Demolition, High Explosive (HE) Linear, M58A4			+2,000	+1,500
Charge, Demolition, High Explosive (HE) Linear, M59A1			+2,000	+1,500
23 40 MM, ALL TYPES	23,614	23,614	25,614	25,114
Cartridge, 40mm, HEDP, Linked, M430/M430A1			+2,000	+1,500
24 60MM, ALL TYPES	10,446	12,446	12,946	12,446
M720A1 60mm HE Mortar Ammunition with MOF Fuze		+2,000	+2,500	+2,000
25 81MM, ALL TYPES	24,319	24,319	25,319	25,319
Cartridge, Mortar, 81mm, M853A1			+1,000	+1,000
31 ROCKETS, ALL TYPES	14,050	23,550	17,050	21,350
SMAW, NE Ammunition		+2,500		+1,750
SMAW, High Explosive Dual Purpose (HEDP) Ammunition		+4,000	+3,000	+3,000
M72-Lightweight Attack Weapon System (LAW)		+3,000		+2,550

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SHIPBUILDING AND CONVERSION, NAVY

The conference agreement on items addressed by either the House or the Senate is

as follows:

	Budget	(In thousands of dollars)		
		House	Senate	Conference

SHIPBUILDING & CONVERSION, NAVY				
OTHER WARSHIPS				
CARRIER REPLACEMENT PROGRAM (AP-CY).....	626,084	626,084	485,184	626,084
VIRGINIA CLASS SUBMARINE.....	1,581,143	1,581,143	1,581,143	1,581,143
VIRGINIA CLASS SUBMARINE (AP-CY).....	871,864	871,864	871,864	871,864
SSGN CONVERSION.....	469,226	469,226	469,226	469,226
SSGN CONVERSION (AP-CY).....	48,000	48,000	48,000	48,000
CVN REFUELING OVERHAULS (AP-CY).....	333,061	333,061	223,061	333,061
SSN ERO (AP-CY).....	19,368	19,368	19,368	19,368
SSBN ERO.....	262,229	262,229	262,229	262,229
SSBN REFUELING OVERHAULS (AP-CY).....	72,171	63,971	72,171	63,971
DDG-51.....	3,444,950	3,444,950	3,444,950	3,444,950
DDG-51 (ADV PROCUREMENT).....	---	125,000	---	---
DD(X) (ADV PROCUREMENT).....	---	---	320,516	305,516
DDG-51 MODERNATION PROGRAM.....	---	100,000	---	50,000
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TOTAL, OTHER WARSHIPS.....	7,728,096	7,944,896	7,797,712	8,075,412
AMPHIBIOUS SHIPS				
LHD-1 AMPHIBIOUS ASSAULT SHIP.....	236,018	236,018	236,018	236,018
LPD-17.....	966,559	966,559	966,559	966,559
LHA-R (AP-CY).....	---	---	175,000	150,000
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TOTAL, AMPHIBIOUS SHIPS.....	1,202,577	1,202,577	1,377,577	1,352,577

		(In thousands of dollars)		
	Budget	House	Senate	Conference

AUXILIARIES, CRAFT, AND PRIOR-YEAR PROGRAM COSTS				
AUXILIARIES, CRAFT AND PRIOR YEAR PROGRAM COST				
LCU (X).....	25,048	25,048	25,048	25,048
OUTFITTING.....	399,327	403,327	349,327	351,327
SERVICE CRAFT.....	32,099	38,599	32,099	36,899
LCAC SLEP.....	90,490	90,490	90,490	90,490
COMPLETION OF PY SHIPBUILDING PROGRAMS.....	484,390	484,390	484,390	484,390
POWER UNIT ASSEMBLY FACILITY.....	---	---	15,000	11,300

TOTAL, AUXILIARIES, CRAFT, AND PRIOR-YEAR PROGRAM...	1,031,354	1,041,854	996,354	999,454

TOTAL, SHIPBUILDING & CONVERSION, NAVY.....	9,962,027	10,189,327	10,171,643	10,427,443

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EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

(In thousands of dollars)

P-1	Budget Request	House	Senate	Conference
2 CARRIER REPLACEMENT PROGRAM (AP-CY) Premature request	626,084	626,084	485,184 -140,900	626,084 0
9 CVN REFUELING OVERHAULS (AP-CY) Premature request	333,061	333,061	223,061 -110,000	333,061 0
13 SSBN REFUELING OVERHAULS (AP-CY) Transferred to OP, N P-1line 13	72,171	63,971 -8,200	72,171	63,971 -8,200
14(a) DDG-51 ADVANCE PROCUREMENT	0	125,000	0	0
14(b) DDG-51 MODERNIZATION PROGRAM	0	100,000	0	50,000
14(c) DD(X) (AP) Construction - transfer from RDT&E, Navy Initial funding for second DD(X)	0	0	320,516 +221,116 +99,400	305,516 +221,116 +84,400
15(a) AMPHIBIOUS ASSAULT SHIP LHA (R) Initial funding	0	0	175,000 +175,000	150,000 +150,000
19 OUTFITTING ARGOS Scheduling System (Note: only for demonstration and software support, including evaluation and assessment, at commercial and/or public shipyards to target cost reduction in manpower scheduling) Program reduction	399,327	403,327 +4,000	349,327 -50,000	351,327 +2,000 -50,000
20 SERVICE CRAFT Aft ramp range retriever craft (ARC) - new vessel	32,099	38,599 +6,500	32,099	36,899 +4,800
24(a) Power Unit Assembly Plant	0	0	15,000	11,300

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Next Generation Destroyer (DD(X))

The conferees agree to provide a total of \$305,516,000 for advance procurement for the DD(X) class of ships instead of \$320,516,000 as proposed by the Senate and no appropriation as proposed by the House. The conferees direct the Navy to include future funding requests for the DD(X) in the Shipbuilding and Conversion, Navy appropriation.

Within the funds provided, \$221,116,000 is only for design and advance procurement requirements associated with the first ship of the DD(X) class and \$84,400,000 is only for design and advance procurement requirements associated with construction of the second ship at an alternative second source shipyard. The conferees direct that no funds shall be available for the procurement of long lead time material for items that are dependent upon delivery of a DD(X) key technology unless that technology has undergone testing, thereby reducing risk to overall program costs.

The conferees direct that full funding of the remaining financial requirement for these ships, not including traditional advance procurement requirements, shall be included in a future budget request.

DDG-51 Modernization Program

The conferees agree to provide \$50,000,000 to accelerate a DDG-51 Modernization program, instead of \$100,000,000 as proposed by the House and no appropriation as proposed by the Senate.

The conferees direct that these funds may not be obligated or expended until the Navy submits to the congressional defense committees, a detailed plan on its execution of a DDG-51 Modernization program that focuses first on modernizing the new construction, near-term delivery ships and then on the in-service Fleet ships. The plan should address each element of the modernization plan, the cost-benefit of the element, and the implementation of the plan by hull number.

The conferees agree that the Navy's DDG-51 modernization plan should emphasize proven technology and modularity applications that will help increase warfighting capabilities, reduce total ownership costs and manning requirements, and expand the use of open architecture.

OTHER PROCUREMENT, NAVY

The conference agreement on items addressed by either the House or the Senate is

as follows:

		(In thousands of dollars)		
	Budget	House	Senate	Conference

OTHER PROCUREMENT, NAVY				
SHIPS SUPPORT EQUIPMENT				
SHIP PROPULSION EQUIPMENT				
LM-2500 GAS TURBINE.....	9,009	9,009	9,009	9,009
ALLISON 501K GAS TURBINE.....	22,271	22,271	22,271	22,271
PROPELLERS				
SUBMARINE PROPELLERS.....	---	---	7,000	---
CVN PROPELLERS.....	---	2,000	---	4,900
NAVIGATION EQUIPMENT				
OTHER NAVIGATION EQUIPMENT.....	16,180	16,180	16,180	16,180
UNDERWAY REPLENISHMENT EQUIPMENT				
UNDERWAY REPLENISHMENT EQUIPMENT.....	1,530	1,530	1,530	1,530
PERISCOPES				
SUB PERISCOPES & IMAGING EQUIP.....	62,050	62,050	62,050	62,050
OTHER SHIPBOARD EQUIPMENT				
FIREFIGHTING EQUIPMENT.....	24,731	24,731	24,731	24,731
COMMAND AND CONTROL SWITCHBOARD.....	3,768	3,768	3,768	3,768
POLLUTION CONTROL EQUIPMENT.....	42,612	42,612	42,612	42,612
SUBMARINE SUPPORT EQUIPMENT.....	21,181	21,181	26,181	24,681
VIRGINIA CLASS SUPPORT EQUIPMENT.....	56,051	59,051	56,051	58,151
SUBMARINE BATTERIES.....	26,077	26,077	26,077	26,077
STRATEGIC PLATFORM SUPPORT EQUIP.....	55,166	73,366	55,166	71,866
DSSP EQUIPMENT.....	21,131	21,131	21,131	21,131
CG-MODERNIZATION.....	114,139	114,139	---	---
LCAC.....	8,365	8,365	8,365	8,365
MINESWEEPING EQUIPMENT.....	8,046	8,046	8,046	8,046
ITEMS LESS THAN \$5 MILLION.....	148,637	164,637	161,537	165,137
CHEMICAL WARFARE DETECTORS.....	4,725	4,725	4,725	4,725
SUBMARINE LIFE SUPPORT SYSTEM.....	13,940	13,940	13,940	13,940

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		(In thousands of dollars)		
	Budget	House	Senate	Conference
REACTOR PLANT EQUIPMENT				
REACTOR POWER UNITS.....	356,372	356,372	356,372	356,372
REACTOR COMPONENTS.....	217,175	217,175	217,175	217,175
OCEAN ENGINEERING				
DIVING AND SALVAGE EQUIPMENT.....	8,875	8,875	8,875	8,875
SMALL BOATS				
STANDARD BOATS.....	18,328	21,328	18,328	20,328
TRAINING EQUIPMENT				
OTHER SHIPS TRAINING EQUIPMENT.....	8,848	8,848	8,848	8,848
PRODUCTION FACILITIES EQUIPMENT				
OPERATING FORCES IPE.....	22,384	22,384	26,384	25,184
OTHER SHIP SUPPORT				
NUCLEAR ALTERATIONS.....	133,999	133,999	133,999	133,999
TOTAL, SHIPS SUPPORT EQUIPMENT.....	1,425,590	1,467,790	1,340,351	1,359,951
COMMUNICATIONS AND ELECTRONICS EQUIPMENT				
SHIP RADARS				
SPQ-9B RADAR.....	3,584	14,584	10,584	11,584
RADAR SUPPORT.....	---	35,200	---	27,400
SHIP SONARS				
AN/SQQ-89 SURF ASW COMBAT SYSTEM.....	---	13,000	---	11,100
SSN ACOUSTICS.....	225,028	229,028	228,028	230,428
UUV PROGRAM.....	61,253	---	---	---
UNDERSEA WARFARE SUPPORT EQUIPMENT.....	14,116	17,116	19,116	19,216
SONAR SWITCHES AND TRANSDUCERS.....	13,330	13,330	13,330	13,330
ASW ELECTRONIC EQUIPMENT				
SUBMARINE ACOUSTIC WARFARE SYSTEM.....	20,857	20,857	20,857	20,857
SSTD.....	22,273	32,273	22,273	30,773
FIXED SURVEILLANCE SYSTEM.....	55,325	55,325	55,325	55,325
SURTASS.....	7,166	7,166	7,166	7,166
ASW OPERATIONS CENTER.....	5,100	5,100	5,100	5,100
ELECTRONIC WARFARE EQUIPMENT				
AN/SLQ-32.....	18,728	18,728	18,728	18,728
INFORMATION WARFARE SYSTEMS.....	4,034	4,034	4,034	4,034
RECONNAISSANCE EQUIPMENT				
SHIPBOARD IW EXPLOIT.....	69,194	69,194	69,194	69,194
SUBMARINE SURVEILLANCE EQUIPMENT				
SUBMARINE SUPPORT EQUIPMENT PROG.....	78,968	78,968	88,968	85,968
OTHER SHIP ELECTRONIC EQUIPMENT				
NAVY TACTICAL DATA SYSTEM.....	---	15,000	---	12,700

		(In thousands of dollars)		
	Budget	House	Senate	Conference
COOPERATIVE ENGAGEMENT CAPABILITY.....	57,531	70,531	57,531	67,531
GCCS-M EQUIPMENT.....	63,363	63,363	63,363	63,363
NAVAL TACTICAL COMMAND SUPPORT SYSTEM (NTCSS).....	26,208	31,208	26,208	30,508
ATDLS.....	2,386	2,386	2,386	2,386
MINESWEEPING SYSTEM REPLACEMENT.....	77,956	63,356	68,656	53,356
NAVSTAR GPS RECEIVERS (SPACE).....	11,650	11,650	11,650	11,650
ARMED FORCES RADIO AND TV.....	4,170	4,170	4,170	4,170
STRATEGIC PLATFORM SUPPORT EQUIP.....	5,265	5,265	5,265	5,265
OTHER TRAINING EQUIPMENT.....	42,913	42,913	42,913	42,913
AVIATION ELECTRONIC EQUIPMENT MATCALS.....	15,614	15,614	15,614	15,614
SHIPBOARD AIR TRAFFIC CONTROL.....	7,695	8,695	7,695	8,695
AUTOMATIC CARRIER LANDING SYSTEM.....	12,515	12,515	12,515	12,515
NATIONAL AIR SPACE SYSTEM.....	16,122	13,122	16,122	13,122
AIR STATION SUPPORT EQUIPMENT.....	3,640	3,640	3,640	3,640
MICROWAVE LANDING SYSTEM.....	7,232	7,232	7,232	7,232
FACSFAC.....	3,712	3,712	3,712	3,712
ID SYSTEMS.....	18,296	18,296	18,296	18,296
TAC A/C MISSION PLANNING SYS(TAMPS).....	9,098	9,098	9,098	9,098
OTHER SHORE ELECTRONIC EQUIPMENT DEPLOYABLE JOINT COMMAND AND CONT.....	32,469	32,469	32,469	32,469
COMMON IMAGERY GROUND SURFACE SYSTEMS.....	53,173	57,934	45,173	49,934
RADIAC.....	9,087	13,087	9,087	12,487
GPETE.....	7,010	10,010	7,010	8,510
INTEG COMBAT SYSTEM TEST FACILITY.....	4,662	4,662	4,662	4,662
EMI CONTROL INSTRUMENTATION.....	5,872	5,872	5,872	5,872
ITEMS LESS THAN \$5 MILLION.....	12,058	12,058	12,058	12,058
SHIPBOARD COMMUNICATIONS SHIPBOARD TACTICAL COMMUNICATIONS.....	14,077	14,077	14,077	14,077
SHIP COMMUNICATIONS AUTOMATION.....	159,718	162,718	159,718	161,718
COMMUNICATIONS ITEMS UNDER \$5M.....	11,921	11,921	14,921	13,421

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		(In thousands of dollars)		
	Budget	House	Senate	Conference
SUBMARINE COMMUNICATIONS				
SHORE LF/VLF COMMUNICATIONS.....	17,802	17,802	17,802	17,802
SUBMARINE COMMUNICATION EQUIPMENT.....	94,533	99,533	104,533	99,533
SATELLITE COMMUNICATIONS				
SATELLITE COMMUNICATIONS SYSTEMS.....	130,564	130,564	130,564	130,564
SHORE COMMUNICATIONS				
JCS COMMUNICATIONS EQUIPMENT.....	3,023	3,023	3,023	3,023
ELECTRICAL POWER SYSTEMS.....	1,291	2,791	1,291	2,791
NSIPS.....	289	289	289	289
JEDMICS.....	---	---	7,500	6,400
NAVAL SHORE COMMUNICATIONS.....	57,066	57,066	57,066	57,066
CRYPTOGRAPHIC EQUIPMENT				
INFO SYSTEMS SECURITY PROGRAM (ISSP).....	88,418	93,418	88,418	90,918
CRYPTOLOGIC EQUIPMENT				
CRYPTOLOGIC COMMUNICATIONS EQUIP.....	26,111	26,111	26,111	26,111
OTHER ELECTRONIC SUPPORT				
COAST GUARD EQUIPMENT.....	7,638	7,638	7,638	7,638
TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT.....	1,721,104	1,778,712	1,688,051	1,753,312
AVIATION SUPPORT EQUIPMENT				
SONOBUOYS				
SONOBUOYS - ALL TYPES.....	50,081	50,081	50,081	50,081
AIRCRAFT SUPPORT EQUIPMENT				
WEAPONS RANGE SUPPORT EQUIPMENT.....	44,643	52,643	52,643	55,243
EXPEDITIONARY AIRFIELDS.....	7,527	7,527	7,527	7,527
AIRCRAFT REARMING EQUIPMENT.....	11,667	14,667	11,667	11,667
AIRCRAFT LAUNCH & RECOVERY EQUIPMENT.....	21,275	21,275	21,275	21,275
METEOROLOGICAL EQUIPMENT.....	20,134	20,134	20,134	20,134
OTHER PHOTOGRAPHIC EQUIPMENT.....	1,438	1,438	1,438	1,438
AVIATION LIFE SUPPORT.....	19,040	20,040	37,540	32,140
AIRBORNE MINE COUNTERMEASURES.....	73,081	73,081	68,681	67,181
LAMPS MK III SHIPBOARD EQUIPMENT.....	16,433	22,433	16,433	21,733
OTHER AVIATION SUPPORT EQUIPMENT.....	6,157	11,157	6,157	10,457
TOTAL, AVIATION SUPPORT EQUIPMENT.....	271,476	294,476	293,576	298,876

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		(In thousands of dollars)		
	Budget	House	Senate	Conference
ORDNANCE SUPPORT EQUIPMENT				
SHIP GUN SYSTEM EQUIPMENT				
NAVAL FIRES CONTROL SYSTEM.....	7,610	3,849	2,849	3,849
GUN FIRE CONTROL EQUIPMENT.....	11,481	11,481	11,481	11,481
SHIP MISSILE SYSTEMS EQUIPMENT				
NATO SEASPARROW.....	25,453	25,453	25,453	25,453
RAM GMLS.....	22,968	26,968	26,968	26,968
SHIP SELF DEFENSE SYSTEM.....	42,130	42,130	42,130	42,130
AEGIS SUPPORT EQUIPMENT.....	57,517	72,017	66,517	71,117
SURFACE TOMAHAWK SUPPORT EQUIPMENT.....	69,732	69,732	69,732	69,732
SUBMARINE TOMAHAWK SUPPORT EQUIP.....	5,469	5,469	5,469	5,469
VERTICAL LAUNCH SYSTEMS.....	9,829	9,829	9,829	9,829
FBM SUPPORT EQUIPMENT				
STRATEGIC MISSILE SYSTEMS EQUIP.....	102,073	102,073	102,073	102,073
ASW SUPPORT EQUIPMENT				
SSN COMBAT CONTROL SYSTEMS.....	147,481	115,481	147,481	115,481
SUBMARINE ASW SUPPORT EQUIPMENT.....	4,849	4,849	4,849	4,849
SURFACE ASW SUPPORT EQUIPMENT.....	4,539	4,539	13,039	10,939
ASW RANGE SUPPORT EQUIPMENT.....	7,175	7,175	7,175	7,175
OTHER ORDNANCE SUPPORT EQUIPMENT				
EXPLOSIVE ORDNANCE DISPOSAL EQUIP.....	25,058	25,058	29,758	28,358
ITEMS LESS THAN \$5 MILLION.....	4,037	4,037	4,037	4,037
OTHER EXPENDABLE ORDNANCE				
ANTI-SHIP MISSILE DECOY SYSTEM.....	46,553	46,553	57,653	54,853
SURFACE TRAINING DEVICE MODS.....	6,347	6,347	6,347	6,347
SUBMARINE TRAINING DEVICE MODS.....	39,405	45,405	45,405	46,905
TOTAL, ORDNANCE SUPPORT EQUIPMENT.....	639,706	628,445	678,245	647,045

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	Budget	(In thousands of dollars)		
		House	Senate	Conference
CIVIL ENGINEERING SUPPORT EQUIPMENT				
PASSENGER CARRYING VEHICLES.....	1,507	1,507	1,507	1,507
GENERAL PURPOSE TRUCKS.....	2,321	2,321	2,321	2,321
CONSTRUCTION & MAINTENANCE EQUIP.....	19,197	29,197	25,197	28,597
FIRE FIGHTING EQUIPMENT.....	12,345	13,845	12,345	13,445
TACTICAL VEHICLES.....	30,926	30,926	61,826	51,026
AMPHIBIOUS EQUIPMENT.....	11,607	11,607	11,607	11,607
POLLUTION CONTROL EQUIPMENT.....	11,396	11,396	11,396	11,396
ITEMS UNDER \$5 MILLION.....	13,686	13,686	13,686	13,686
PHYSICAL SECURITY VEHICLES.....	1,125	1,125	1,125	1,125
TOTAL, CIVIL ENGINEERING SUPPORT EQUIPMENT.....	104,110	115,610	141,010	134,710
SUPPLY SUPPORT EQUIPMENT				
MATERIALS HANDLING EQUIPMENT.....	12,754	13,754	12,754	13,754
OTHER SUPPLY SUPPORT EQUIPMENT.....	11,523	15,523	19,523	17,523
FIRST DESTINATION TRANSPORTATION.....	5,578	5,578	5,578	5,578
SPECIAL PURPOSE SUPPLY SYSTEMS.....	82,158	82,158	82,158	82,158
TOTAL, SUPPLY SUPPORT EQUIPMENT.....	112,013	117,013	120,013	119,013
PERSONNEL AND COMMAND SUPPORT EQUIPMENT				
TRAINING DEVICES				
TRAINING SUPPORT EQUIPMENT.....	18,756	26,756	18,756	25,556
COMMAND SUPPORT EQUIPMENT				
COMMAND SUPPORT EQUIPMENT.....	20,658	22,658	30,658	27,658
EDUCATION SUPPORT EQUIPMENT.....	5,507	10,507	5,507	8,007
MEDICAL SUPPORT EQUIPMENT.....	8,459	8,459	8,459	8,459
OPERATING FORCES SUPPORT EQUIPMENT.....	7,826	7,826	9,826	9,226
MOBILE SENSOR PLATFORM.....	27,582	27,582	27,582	27,582
ENVIRONMENTAL SUPPORT EQUIPMENT.....	13,155	13,155	13,155	13,155
PHYSICAL SECURITY EQUIPMENT.....	194,214	197,214	157,714	179,114
TOTAL, PERSONNEL AND COMMAND SUPPORT EQUIPMENT.....	296,157	314,157	271,657	298,757
SPARES AND REPAIR PARTS.....	245,476	245,476	245,476	245,476
CLASSIFIED PROGRAMS.....	18,646	18,646	18,646	18,646
TOTAL, OTHER PROCUREMENT, NAVY.....	4,834,278	4,980,325	4,797,025	4,875,786

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
(In thousands of dollars)

P-1	Budget Request	House	Senate	Conference
3 SUBMARINE PROPELLERS	0	0	7,000	0
CVN propeller replacement program (moved to 3a)			+7,000	0
3(a) CVN PROPELLERS	0	2,000	0	4,900
CVN propeller replacement program		+2,000		+4,900
10 SUBMARINE SUPPORT EQUIPMENT	21,181	21,181	26,181	24,681
High Performance Brush Program			+5,000	+3,500
11 VIRGINIA CLASS SUPPORT EQUIPMENT	56,051	59,051	56,051	58,151
Shipboard wireless mobile computing environment initiated under SBIR N99-106 (Note: only for the procurement and installation of the shipboard wireless mobile computing environment as an extension of the Non-Tactical Data Processing System (NTDPS))		+3,000		+2,100
13 STRATEGIC PLATFORM SUPPORT EQUIP	55,166	73,366	55,166	71,866
Submarine common electronics equipment replacement (Q-70)		+10,000		+8,500
SSBN modification transferred from SCN		+8,200		+8,200
15 CG-MODERNIZATION	114,139	114,139	0	0
Cruiser Modernization			-114,139	-114,139
18 ITEMS LESS THAN \$5 MILLION	148,637	164,637	161,537	165,137
AEGIS support equipment- Frigate modernization (ECMS)		+1,000		+1,000
Carrier smart ship weapons elevator automation		+1,000	+4,900	+3,400
Wireless network capable application processors (NCAPs)		+5,000	+2,000	+4,200
Integrated Condition Assessment System (ICAS)		+4,000		+2,400
Fuel catalyst (Note: only for procurement and installation of pre-combustion fuel treatment device to improve fuel efficiency and reduce engine maintenance)		+3,000		+1,500
Fuel and Engine Maintenance Savings System (FEMSS)		+2,000	+2,000	+2,000
Machinery control surveillance system for gas turbine ships			+4,000	+2,000
24 STANDARD BOATS	18,328	21,328	18,328	20,328
Procurement of 25-person life rafts		+3,000		+2,000
26 OPERATING FORCES IPE	22,384	22,384	26,384	25,184
IPDE Enhancement and PDM interoperability			+4,000	+2,800
29 SPQ-9B RADAR	3,584	14,584	10,584	11,584
AN/SPQ-9B shipboard radar transmitter upgrade		+5,000	+7,000	+5,000
AN/SPQ-9B radar- procurement of additional radars		+6,000		+3,000

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P-1	Budget Request	House	Senate	Conference
30 RADAR SUPPORT	0	35,200	0	27,400
AN/SYS-2(V) 11 and 13 track management system for FFG-7		+6,200		+4,300
AN/SPS-67 radar improvement backfit kits		+15,000		+11,200
AN/SPS-67 radar obsolescence availability recovery (ROAR)		+8,000		+6,800
Radar display repeater (AN/SPA-25G) technology refresh kits		+2,000		+1,700
SPS-73 surface search radar		+4,000		+3,400
32 AN/SQQ-89 SURF ASW COMBAT SYSTEM	0	13,000	0	11,100
AN/SQQ-89 modernization		+13,000		+11,100
33 SSN ACOUSTICS	225,028	229,028	228,028	230,428
Submarine technology insertion SBIR (S) N96-278 and N03-049		+4,000		+3,400
Common Depth Sounder			+3,000	+2,000
34 UUV PROGRAM	61,253	0	0	0
Program restructure		-61,253	-61,253	-61,253
35 UNDERSEA WARFARE SUPPORT EQUIPMENT	14,116	17,116	19,116	19,216
Distributed Engineering Center for Torpedo Defense		+3,000		+2,600
Surface sonar windows and domes			+5,000	+2,500
38 SSTD	22,273	32,273	22,273	30,773
AN/SLQ-25A torpedo countermeasure set upgrades		+10,000		+8,500
45 SUBMARINE SUPPORT EQUIPMENT PROG	78,968	78,968	88,968	85,968
AN/BLQ-10 radar narrow band ESM technology refresh			+10,000	+7,000
46 NAVY TACTICAL DATA SYSTEM	0	15,000	0	12,700
ACDS/SSDS technology refresh for LHA 2/4		+3,000		+2,500
ACDS/SSDS hardware for Dam Neck and Wallops Island		+8,000		+6,800
Fleet peripheral equipment fielding		+4,000		+3,400
47 COOPERATIVE ENGAGEMENT CAPABILITY	57,531	70,531	57,531	67,531
Planar array antenna assembly backfit		+13,000		+10,000
NAVAL TACTICAL COMMAND SUPPORT SYSTEM				
49 (NTCSS)	26,208	31,208	26,208	30,508
Q-70 based IT-21 servers		+5,000		+4,300
51 MINESWEEPING SYSTEM REPLACEMENT	77,956	63,356	68,656	53,356
MCM1 Class Engine Replacement- change in acquisition strategy		-14,600		-14,600
Mine countermeasures sea bottom mapping project			+2,400	+1,700
RMS- buying ahead of need			-11,700	-11,700

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P-1	Budget Request	House	Senate	Conference
58 SHIPBOARD AIR TRAFFIC CONTROL	7,695	8,695	7,695	8,695
Tactical radio frequency environment monitor (TREX)		+1,000		+1,000
60 NATIONAL AIR SPACE SYSTEM	16,122	13,122	16,122	13,122
Digital Airport Surveillance Radar - program delay		-3,000		-3,000
69 COMMON IMAGERY GROUND SURFACE SYSTEMS	53,173	57,934	45,173	49,934
Re-align JFN/JSIPS-N (see line 102)		+4,761		+4,761
Joint Service Imagery Processing system - Migration to converged architecture			-8,000	-8,000
70 RADIAC	9,087	13,087	9,087	12,487
Procurement of electronic personal dosimeters		+4,000		+3,400
71 GPETE	7,010	10,010	7,010	8,510
Allen Telescope Array (Note: only for the purchase of additional antennas, owned by the U.S. Naval Observatory, to expand the Allen Telescope Array to establish a test bed for detection of low-observable aircraft)		+3,000		+1,500
76 SHIP COMMUNICATIONS AUTOMATION	159,718	162,718	159,718	161,718
SPAWAR FORCEnet Integrated Data Center		+1,000		+1,000
Bandwidth monitor and control		+2,000		+1,000
77 COMMUNICATIONS ITEMS UNDER \$5 MILLION	11,921	11,921	14,921	13,421
Shipboard Communications upgrade			+3,000	+1,500
79 SUBMARINE COMMUNICATION EQUIPMENT	94,533	99,533	104,533	99,533
Submarine high data rate antenna program		+5,000	+10,000	+5,000
82 ELECTRICAL POWER SYSTEMS	1,291	2,791	1,291	2,791
Carrier Pier Delta shore power upgrade (Note: only for the procurement of equipment to enhance the power system on Carrier Pier Delta at Naval Station Bremerton for support of CVN operations)		+1,500		+1,500
84 JEDMICS	0	0	7,500	6,400
PACOM Agile Coalition Environment			+7,500	+6,400

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P-1	Budget Request	House	Senate	Conference
86 INFO SYSTEMS SECURITY PROGRAM (ISSP)	88,418	93,418	88,418	90,918
Navy Intelligent Agent Security Module (IASM)- for procurement of 24 units		+5,000		+2,500
91 WEAPONS RANGE SUPPORT EQUIPMENT	44,643	52,643	52,643	55,243
Multi-spectral threat emitter systems for east coast training ranges		+5,000		+2,500
Smart target threats for Southern California Offshore Range (SCORE)		+3,000		+1,500
Joint threat emitter			+3,000	+2,300
PMRF Equipment			+5,000	+4,300
93 AIRCRAFT REARMING EQUIPMENT	11,667	14,667	11,667	11,667
LAU-7 Sidewinder missile replacement program (moved to Aircraft Procurement, Navy line 56)		+3,000		0
97 AVIATION LIFE SUPPORT	19,040	20,040	37,540	32,140
MBU-23/P oxygen mask and visor		+1,000	+3,500	+2,600
Multi-climate protection clothing system			+5,000	+3,500
Joint technical data integration/automated maintenance equipment			+10,000	+7,000
98 AIRBORNE MINE COUNTERMEASURES	73,081	73,081	68,681	67,181
AN-AQS-20 Minehunting sonar			+3,000	+1,500
AN-AQS-20A - Buying ahead of need			-7,400	-7,400
99 LAMPS MK III SHIPBOARD EQUIPMENT	16,433	22,433	16,433	21,733
AN/SRQ-4 LAMPS MK III (Note: only for the procurement of AN/SRQ-4 shipboard KU Band system)		+5,000		+4,300
Naval aviation interoperability (Note: only to upgrade the NAWCAD Surface/Aviation Interoperability Laboratory (SAIL))		+1,000		+1,000
100 OTHER AVIATION SUPPORT EQUIPMENT	6,157	11,157	6,157	10,457
Joint Aviation Logistics Technical Data Integration (JATDI) system security solution (Note: only for the extension, procurement and integration of the JEDMICS security solution to JATCI applications)		+5,000		+4,300
102 NAVAL FIRES CONTROL SYSTEM	7,610	3,849	2,849	3,849
Gulf Coast Joint Harbor Operations Center (JHOC)		+1,000		+1,000
Re-align JFN/JSIPS-N (see line 69)		-4,761	-4,761	-4,761

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P-1	Budget			
	Request	House	Senate	Conference
105 RAM GMLS	22,968	26,968	26,968	26,968
Phalanx SeaRAM (Note: only for manufacture of an initial production unit and installation on a FFG-7 class frigate)		+4,000	+4,000	+4,000
107 AEGIS SUPPORT EQUIPMENT	57,517	72,017	66,517	71,117
All-in-One wireless access points		+5,000		+4,200
AEGIS Storage Area Network System (ASAN)		+1,500		+1,100
AEGIS Integrated Bridge System (IBS)		+5,000	+9,000	+6,800
Data extraction and switching system enhancements for AEGIS Virginia land based test sites (LBTS)		+3,000		+1,500
112 SSN COMBAT CONTROL SYSTEMS	147,481	115,481	147,481	115,481
Provide for six SSN installations		-32,000		-32,000
114 SURFACE ASW SUPPORT EQUIPMENT	4,539	4,539	13,039	10,939
MK 32 Surface vessel torpedo tubes remanufacture			+8,500	+6,400
116 EXPLOSIVE ORDNANCE DISPOSAL EQUIP	25,058	25,058	29,758	28,358
SCOUT high pressure air system			+4,700	+3,300
118 ANTI-SHIP MISSILE DECOY SYSTEM	46,553	46,553	57,653	54,853
NULKA decoys			+11,100	+8,300
120 SUBMARINE TRAINING DEVICE MODS	39,405	45,405	45,405	46,905
Shipboard non-tactical application delivery interface system (SNADIS)		+5,000		+3,500
Performance-centric mission essential content delivery		+1,000		+1,000
INTERLOCKS development tool			+6,000	+3,000
124 CONSTRUCTION & MAINTENANCE EQUIP	19,197	29,197	25,197	28,597
SEABEE Construction equipment		+4,000		+3,400
Earth moving equipment- USN Construction Units		+6,000	+6,000	+6,000
125 FIRE FIGHTING EQUIPMENT	12,345	13,845	12,345	13,445
Procure additional fire trucks for Naval District of Washington		+1,500		+1,100
126 TACTICAL VEHICLES	30,926	30,926	61,826	51,026
Medium tactical vehicle replacement (MTVR) - Naval construction force			+30,900	+20,100
131 MATERIALS HANDLING EQUIPMENT	12,754	13,754	12,754	13,754
NIROP Industrial facilities materials staging area		+1,000		+1,000

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P-1	Budget Request	House	Senate	Conference
132 OTHER SUPPLY SUPPORT EQUIPMENT	11,523	15,523	19,523	17,523
Serial Number Tracking System (SNTS)		+4,000	+8,000	+6,000
135 TRAINING SUPPORT EQUIPMENT	18,756	26,756	18,756	25,556
Laser marksmanship training system (LMTS) - Navy Reserve		+8,000		+6,800
136 COMMAND SUPPORT EQUIPMENT	20,658	22,658	30,658	27,658
Man Overboard Identification (MOBI) System - for procurement and installation		+2,000	+10,000	+7,000
137 EDUCATION SUPPORT EQUIPMENT	5,507	10,507	5,507	8,007
Technical Data Knowledge Management (TDKM) system		+5,000		+2,500
140 OPERATING FORCES SUPPORT EQUIPMENT	7,826	7,826	9,826	9,226
Envelope protective covers for weapon systems			+2,000	+1,400
143 PHYSICAL SECURITY EQUIPMENT	194,214	197,214	157,714	179,114
MSG and MCWG body armor		+3,000		+2,600
Sea Fox remote controlled surface vessel			+3,500	+2,300
Unjustified cost growth			-40,000	-20,000

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Cruiser Modernization

The conferees agree to provide no appropriation for Cruiser Modernization as proposed by the Senate instead of the budget request as proposed by the House.

The conferees take this action reluctantly based on the need to modernize these assets. However, the Navy's plan was simply inadequate in its presentation and planned execution. Furthermore, content of the modernization program changed significantly from the proposal presented with the fiscal year 2004 budget, while program cost remained the same, calling into question the soundness of the Navy's efforts.

The conferees remain interested in ensuring a modern Naval Fleet and would encourage the Navy to continue to refine its requirements with respect to modernization of the Cruiser inventory and request funds as appropriate in a future budget request.

Physical Security Equipment

The conferees agree to provide \$179,114,000 for Physical Security Equipment instead of \$197,214,000 as proposed by the House and \$157,714,000 as proposed by the Senate. The conferees agree that of this

amount, \$17,900,000 may not be obligated or expended until the Secretary of the Navy submits a report to the House and Senate Committees on Appropriations that addresses how the Navy intends to execute the expenditure of the appropriated funds.

The conferees further agree with the House position which requests the Navy centralize decision-making authority for all anti-terrorism and force protection requirements.

PROCUREMENT, MARINE CORPS

The conference agreement on items addressed by either the House or the Senate is

as follows:

	(In thousands of dollars)			
	Budget	House	Senate	Conference

PROCUREMENT, MARINE CORPS				
WEAPONS AND COMBAT VEHICLES				
TRACKED COMBAT VEHICLES				
AAV7A1 PIP.....	58,596	132,696	81,796	121,596
AAAV.....	67,701	67,701	52,701	52,701
LAV PIP.....	41,588	66,888	41,588	63,088
MODIFICATION KITS (TRKD VEH).....	11,844	11,844	11,844	11,844
M1A1 FIREPOWER ENHANCEMENTS.....	36,873	36,873	36,873	36,873
ARTILLERY AND OTHER WEAPONS				
HIMARS.....	16,340	21,940	16,340	16,340
155MM LIGHTWEIGHT TOWED HOWITZER.....	175,445	235,545	175,445	227,445
MOD KITS (ARTILLERY).....	3,248	3,248	3,248	3,248
MARINE ENHANCEMENT PROGRAM.....	4,024	4,024	4,024	4,024
WEAPONS AND COMBAT VEHICLES UNDER \$5 MILLION.....	4,888	7,388	4,888	6,788
WEAPONS				
MODULAR WEAPON SYSTEM.....	10,051	10,051	10,051	10,051
OTHER SUPPORT				
OPERATIONS OTHER THAN WAR.....	1,509	1,509	1,509	1,509

TOTAL, WEAPONS AND COMBAT VEHICLES.....	432,107	599,707	440,307	555,507
GUIDED MISSILES AND EQUIPMENT				
GUIDED MISSILES				
EADS MOD.....	10,314	10,314	10,314	10,314
JAVELIN.....	---	---	7,900	4,000
PEDESTAL MOUNTED STINGER (PMS) (MYP).....	10,004	10,004	10,004	10,004
HIMARS ROCKETS.....	1,325	1,325	1,325	1,325
OTHER SUPPORT				
MODIFICATION KITS.....	595	595	595	595

TOTAL, GUIDED MISSILES AND EQUIPMENT.....	22,238	22,238	30,138	26,238

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		(In thousands of dollars)		
	Budget	House	Senate	Conference
COMMUNICATIONS AND ELECTRONICS EQUIPMENT				
VEHICLE MOUNTED RADIOS AND EQUIPMENT				
SMALL UNIT REMOTE SCOUTING SYSTEM.....	8,866	8,866	8,866	8,866
COMMAND AND CONTROL SYSTEMS				
UNIT OPERATIONS CENTER.....	35,933	39,933	29,933	32,833
GLOBAL COMBAT SUPPORT SYSTEM.....	21,664	21,664	26,164	25,564
MULTIPLE ROLE RADAR SYSTEM.....	2,283	2,283	2,283	2,283
JOINT TACTICAL RADIO SYSTEMS.....	26,009	26,009	26,009	26,009
TRANSITION SWITCH MODULE.....	9,245	9,245	9,245	9,245
COMPLIMENTARY LOW ALTITUDE WEAPON.....	4,412	4,412	4,412	4,412
REPAIR AND TEST EQUIPMENT				
AUTO TEST EQUIP SYS.....	15,823	15,823	23,323	22,223
GENERAL PURPOSE ELECTRONIC TEST EQUIP.....	14,495	14,495	14,495	14,495
CALIBRATION FACILITIES.....	2,305	2,305	2,305	2,305
RADAR + EQUIPMENT (NON-TEL)				
RADAR SET AN/TPS-59.....	24,466	24,466	24,466	24,466
INTELL/COMM EQUIPMENT (NON-TEL)				
TACTICAL REMOTE SENSOR SYSTEM.....	10,622	10,622	10,622	10,622
INTELLIGENCE SUPPORT EQUIPMENT.....	15,842	16,842	15,842	16,842
MOD KITS (INTEL).....	9,551	9,551	9,551	9,551
REPAIR AND TEST EQUIPMENT (NON-TEL)				
GENERAL PURPOSE MECHANICAL TMDE.....	1,790	1,790	1,790	1,790
OTHER COMM/ELEC EQUIPMENT (NON-TEL)				
NIGHT VISION EQUIPMENT.....	26,100	31,100	46,000	41,800
OTHER SUPPORT (NON-TEL)				
ITEMS UNDER \$5 MILLION (COMM & ELEC).....	461	461	461	461
COMMON COMPUTER RESOURCES.....	61,989	61,989	61,989	61,989
COMMAND POST SYSTEMS.....	8,144	8,144	8,144	8,144
RADIO SYSTEMS.....	14,476	26,476	26,476	26,476
COMM SWITCHING & CONTROL SYSTEMS.....	26,145	31,145	26,145	30,445
COMM & ELEC INFRASTRUCTURE SUPPORT.....	24,778	28,778	24,778	35,078
MOD KITS MAGTF C41.....	984	984	7,484	4,284
AIR OPERATIONS C2 SYSTEMS.....	10,290	10,290	10,290	10,290
INTELLIGENCE C2 SYSTEMS.....	1,211	1,211	1,211	1,211
FIRE SUPPORT SYSTEM.....	10,215	10,215	10,215	10,215
TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT.....	388,099	419,099	432,499	441,899

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	Budget	(In thousands of dollars)		
		House	Senate	Conference

SUPPORT VEHICLES				
ADMINISTRATIVE VEHICLES				
COMMERCIAL PASSENGER VEHICLES.....	1,096	1,096	1,096	1,096
COMMERCIAL CARGO VEHICLES.....	11,563	11,563	11,563	11,563
TACTICAL VEHICLES				
5/4T TRUCK HMMWV (MYP).....	131,276	131,276	131,276	131,276
LOGISTICS VEHICLE SYSTEM REP.....	3,343	3,343	3,343	3,343
FAMILY OF TACTICAL TRAILERS.....	942	942	942	942
OTHER SUPPORT				
ITEMS LESS THAN \$5 MILLION.....	3,598	3,598	3,598	3,598
TOTAL, SUPPORT VEHICLES.....	151,818	151,818	151,818	151,818
ENGINEER AND OTHER EQUIPMENT				
ENGINEER AND OTHER EQUIPMENT				
ENVIRONMENTAL CONTROL EQUIP ASSORT.....	2,869	2,869	2,869	2,869
COMBAT BREACHER VEHICLE.....	4,621	11,621	4,621	8,121
BULK LIQUID EQUIPMENT.....	11,524	11,524	11,524	11,524
TACTICAL FUEL SYSTEMS.....	5,219	10,219	8,519	10,219
DEMOLITION SUPPORT SYSTEMS.....	3,422	5,422	10,822	8,922
POWER EQUIPMENT ASSORTED.....	10,657	12,157	10,657	11,707
FAMILY OF EOD EQUIPMENT.....	4,724	4,724	4,724	4,724
BRIDGE BOATS.....	5,307	5,307	5,307	5,307
MATERIALS HANDLING EQUIPMENT				
AMPHIBIOUS RAID EQUIPMENT.....	15,771	15,771	15,771	15,771
PHYSICAL SECURITY EQUIPMENT.....	4,979	4,979	4,979	4,979
GARRISON MOBILE ENGR EQUIP.....	10,927	10,927	10,927	10,927
MATERIAL HANDLING EQUIP.....	21,190	21,190	21,190	21,190
FIRST DESTINATION TRANSPORTATION.....	5,715	5,715	5,715	5,715

		(In thousands of dollars)		
	Budget	House	Senate	Conference
GENERAL PROPERTY				
FIELD MEDICAL EQUIPMENT.....	6,027	11,527	9,527	11,377
TRAINING DEVICES.....	24,214	64,714	26,214	56,964
CONTAINER FAMILY.....	5,244	5,244	5,244	5,244
FAMILY OF CONSTRUCTION EQUIPMENT.....	15,067	17,067	15,067	16,817
OTHER SUPPORT				
FAMILY OF INCIDENT RESPONSE.....	2,804	2,804	2,804	2,804
MODIFICATION KITS.....	2,901	2,901	2,901	2,901
ITEMS LESS THAN \$5 MILLION.....	5,713	16,213	5,713	11,713
TOTAL, ENGINEER AND OTHER EQUIPMENT.....	168,895	242,895	185,095	229,795
SPARES AND REPAIR PARTS.....	26,946	26,946	26,946	26,946
TOTAL, PROCUREMENT, MARINE CORPS.....	1,190,103	1,462,703	1,266,803	1,432,203

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EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[in thousands of dollars]

P-1	Budget Request	House	Senate	Conference
1 AAV7A1 PIP	58,596	+132,696	+81,796	+121,596
Assault Amphibious Vehicle (AAV) RAM/RS Upgrades (Ground Forces Recapitalization)		+74,100	+23,200	+63,000
2 EXPEDITIONARY FIGHTING VEHICLE	67,701	+67,701	+52,701	+52,701
Industrial and Tooling Equipment - Production Facility and Execution Delays			-15,000	-15,000
3 LAV PIP	41,588	+66,888	+41,588	+63,088
Upgrades and Components (Ground Force Recapitalization)		+25,300		+21,500
7 HIMARS	16,340	+21,940	+16,340	+16,340
Ground Forces Recapitalization		+5,600		0
8 155MM LIGHTWEIGHT TOWED HOWITZER	175,445	+235,545	+175,445	+227,445
Ground Forces Recapitalization		+60,100		+52,000
11 WEAPONS AND COMBAT VEHICLES UNDER \$5 MILLION	4,888	+7,388	+4,888	+6,788
M9 Pistol Modernization Through Spares (P-MTS)		+2,500		+1,900
15 JAVELIN	0	0	+7,900	+4,000
Additional JAVELIN Anti-Tank Missiles			+7,900	+4,000
21 UNIT OPERATIONS CENTER	35,933	+39,933	+29,933	+32,833
USMC Hitchhiker		+4,000		+3,400
Baseline Combat Operations Center			+2,000	+1,500
Unjustified Support Costs			-8,000	-8,000
22 GLOBAL COMBAT SUPPORT SYSTEM	21,664	+21,664	+26,164	+25,564
GCSS Logistics Modernization			+4,500	+3,900
27 AUTO TEST EQUIP SYS	15,823	+15,823	+23,323	+22,223
Digitization of Technical and Operations Manuals			+7,500	+6,400
32 INTELLIGENCE SUPPORT EQUIPMENT	15,842	+16,842	+15,842	+16,842
USMC Terrain Analysis and Production (TAP)		+1,000		+1,000
36 NIGHT VISION EQUIPMENT	26,100	+31,100	+46,000	+41,800
AM/PEQ-2A Target Pointer, Illuminator, Aiming Light		+1,000	+9,000	+6,300
AN/PVS-17 Night Vision Sight System		+4,000	+4,100	+4,000
AN/PVS-14 Miniature Night Vision Device			+5,800	+4,400
Close Quarters Battle Sight			+1,000	+1,000
40 RADIO SYSTEMS	14,476	+26,476	+26,476	+26,476
Lightweight Multi-Band Satellite Terminal (LMST)		+12,000	+12,000	+12,000
41 COMM SWITCHING & CONTROL SYSTEMS	26,145	+31,145	+26,145	+30,445
AN/UXC-10 Digital Facsimile (TS-21 Blackjack Marine Corps)		+5,000		+4,300
42 COMM & ELEC INFRASTRUCTURE SUPPORT	24,778	+28,778	+24,778	+35,078
USMC Continuity of Operations (COOP)		+4,000		+3,400
Communications Support for USMC NOC (Note: transferred from O&M,MC)				+6,900

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P-1	Budget Request	House	Senate	Conference
43 MOD KITS MAGTF C41	984	+984	+7,484	+4,284
Communication Emitter Sensing and Attacking System (CESAS)			+6,500	+3,300
55 COMBAT BREACHER VEHICLE	4,621	+11,621	+4,621	+8,121
Assault Breach Vehicle		+7,000		+3,500
57 TACTICAL FUEL SYSTEMS	5,219	+10,219	+8,519	+10,219
Nitrile Rubber Collapsible Storage Units		+3,000	+3,300	+3,300
Forward Area Self-Contained, Transportable-Improved Liquid Storage/Dispensing System		+2,000		+1,700
58 DEMOLITION SUPPORT SYSTEMS	3,422	+5,422	+10,822	+8,922
AN/PSS-14 Handheld Standoff Mine Detection System (HSTAMIDS)		+2,000	+7,400	+5,500
59 POWER EQUIPMENT ASSORTED	10,657	+12,157	+10,657	+11,707
Marine Corps 2kW Generators		+1,500		+1,050
68 FIELD MEDICAL EQUIPMENT	6,027	+11,527	+9,527	+11,377
Portable Rapid Intravenous (IV) Infusion Pump		+3,000		+1,500
Portable Low-Power Blood Cooling and Storage		+1,500		+1,100
Individual Water Purification (IWP) Program		+1,000		+1,000
Combat Casualty Care Equipment			+3,500	+1,750
69 TRAINING DEVICES	24,214	+64,714	+26,214	+56,964
Marine Corps Live Fire Training Range Improvements		+3,500	+2,000	+2,000
Range Enhancements for JNTC MOUT Facility at 29 Palms for OIF		+35,000		+29,750
Common Range Instrumentation System (CRIS)		+2,000		+1,000
71 FAMILY OF CONSTRUCTION EQUIPMENT	15,067	+17,067	+15,067	+16,817
Ultimate Building Machine (UBM) System Marine Corps		+2,000		+1,750
75 ITEMS LESS THAN \$5 MILLION	5,713	+16,213	+5,713	+11,713
Anti-Personnel Obstacle Breaching System (APOBS)		+3,000		0
Ultra High Intensity Miniature Illumination System		+4,000		+3,000
Single Battlefield Fuel Motorcycle		+3,500		+3,000

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AIRCRAFT PROCUREMENT, AIR FORCE

The conference agreement on items addressed by either the House or the Senate is
as follows:

	Budget	(In thousands of dollars)		
		House	Senate	Conference
<hr style="border-top: 1px dashed black;"/>				
AIRCRAFT PROCUREMENT, AIR FORCE				
COMBAT AIRCRAFT				
TACTICAL FORCES				
F-22 RAPTOR.....	3,633,769	3,603,769	3,603,769	3,603,769
F-22 RAPTOR (AP-CY).....	523,187	523,187	523,187	523,187
F-15 (AP).....	---	---	---	110,000
<hr style="border-top: 1px dashed black;"/>				
TOTAL, COMBAT AIRCRAFT.....	4,156,956	4,126,956	4,126,956	4,236,956
<hr style="border-top: 1px dashed black;"/>				
AIRLIFT AIRCRAFT				
TACTICAL AIRLIFT				
C-17A (MYP).....	2,512,479	2,671,079	2,512,479	2,671,079
C-17A (MYP) (AP-CY).....	381,800	381,800	381,800	381,800
C-17 ICS.....	945,560	786,960	979,560	979,560
<hr style="border-top: 1px dashed black;"/>				
OTHER AIRLIFT				
C-130J.....	732,505	769,171	769,205	769,171
C-130J ADVANCE PROCUREMENT (CY).....	186,666	150,000	149,966	150,000
C-40C.....	---	225,000	---	225,000
<hr style="border-top: 1px dashed black;"/>				
TOTAL, AIRLIFT AIRCRAFT.....	4,759,010	4,984,010	4,793,010	5,176,610
<hr style="border-top: 1px dashed black;"/>				
TRAINER AIRCRAFT				
OPERATIONAL TRAINERS				
JPATS.....	307,072	307,072	307,072	307,072
INTRO TO FLIGHT/AIRMANSHIP PROGRAMS.....	---	---	880	880
<hr style="border-top: 1px dashed black;"/>				
OTHER AIRCRAFT				
HELICOPTERS				
V-22 OSPREY.....	305,581	305,581	305,581	305,581
V-22 OSPREY (AP-CY).....	11,035	11,035	11,035	11,035
<hr style="border-top: 1px dashed black;"/>				
MISSION SUPPORT AIRCRAFT				
CIVIL AIR PATROL A/C.....	2,271	2,271	2,271	2,271

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		(In thousands of dollars)		
	Budget	House	Senate	Conference
OTHER AIRCRAFT				
TARGET DRONES.....	74,143	74,143	71,143	74,143
TANKER REPLACEMENT.....	---	---	110,000	---
HAEUAV.....	287,768	202,178	287,768	287,768
HAEUAV (AP-CY).....	71,863	50,563	71,863	71,863
PREDATOR UAV.....	146,609	186,609	146,609	176,609
TOTAL, OTHER AIRCRAFT.....	899,270	832,380	1,006,270	929,270
MODIFICATION OF INSERVICE AIRCRAFT				
STRATEGIC AIRCRAFT				
B-2A.....	96,002	96,002	96,002	96,002
B-1B.....	8,825	8,825	8,825	8,825
B-52.....	92,216	92,216	121,116	112,516
F-117.....	13,223	23,023	13,223	23,023
TACTICAL AIRCRAFT				
A-10.....	53,362	53,362	53,362	53,362
F-15.....	181,602	195,102	337,402	211,002
F-16.....	336,289	336,289	374,289	352,889
F22 RAPTOR.....	70,087	70,087	70,087	70,087
T/AT-37.....	78	78	78	78
AIRLIFT AIRCRAFT				
C-5.....	99,601	105,601	99,601	103,101
C-9.....	---	6,000	---	6,000
C-17A.....	89,144	89,144	89,144	89,144
C-21.....	1,409	1,409	1,409	1,409
C-32A.....	187	187	187	187
C-37A.....	351	351	351	351
TRAINER AIRCRAFT				
T6 MODIFICATIONS.....	3,850	3,850	3,850	3,850
T-38.....	153,677	173,677	153,677	170,677
T-41 AIRCRAFT.....	89	89	89	89
T-43.....	599	599	599	599
OTHER AIRCRAFT				
KC-10A (ATCA).....	37,314	25,614	31,014	37,314
C-12.....	19,373	19,373	19,373	19,373
C-20 MODS.....	449	449	449	449
VC-25A MOD.....	28,031	28,031	28,031	28,031

		(In thousands of dollars)		
	Budget	House	Senate	Conference
C-40.....	187	187	187	187
C-130.....	110,375	126,675	134,445	133,375
C130J MODS.....	36,921	36,921	36,921	36,921
C-135.....	51,905	51,905	64,405	60,505
C-29A MODS.....	15,953	15,953	15,953	15,953
DARP.....	101,233	87,733	101,233	91,233
E-3.....	36,025	36,025	36,025	36,025
E-4.....	101,818	101,818	101,818	101,818
E-8.....	45,302	45,302	45,302	45,302
H-1.....	6,575	6,575	6,575	6,575
H-60.....	95,068	95,068	95,068	97,568
OTHER AIRCRAFT.....	76,701	49,901	76,701	63,501
PREDATOR MODS.....	31,872	31,872	31,872	31,872
CV-22 MODS.....	275	275	275	275
OTHER MODIFICATIONS CLASSIFIED PROJECTS.....	20,880	30,880	30,380	29,380
TOTAL, MODIFICATION OF INSERVICE AIRCRAFT.....	2,016,848	2,046,448	2,279,318	2,138,848
AIRCRAFT SPARES AND REPAIR PARTS INDUSTRIAL FACILITIES.....	234,103	234,103	---	234,103
REPLEN SPARES/REPAIR PARTS.....	---	---	234,103	---
TOTAL, AIRCRAFT SPARES AND REPAIR PARTS.....	234,103	234,103	234,103	234,103
AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES COMMON SUPPORT EQUIPMENT COMMON SUPPORT EQUIPMENT.....	223,600	205,600	208,600	206,850

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		(In thousands of dollars)		
	Budget	House	Senate	Conference
POST PRODUCTION SUPPORT				
B-1.....	11,733	11,733	11,733	11,733
B-2A.....	6,801	6,801	6,801	6,801
B-2A.....	30,683	30,683	30,683	30,683
B-52.....	19,405	19,405	19,405	19,405
C-130.....	1,229	1,229	1,229	1,229
F-15 POST PRODUCTION SUPPORT.....	13,407	13,407	13,407	13,407
F-16 POST PRODUCTION SUPPORT.....	11,531	11,531	11,531	11,531
INDUSTRIAL PREPAREDNESS.....	21,082	21,082	21,082	21,082
WAR CONSUMABLES				
WAR CONSUMABLES.....	41,314	41,314	41,314	41,314
REPLEN SPARES/REPAIR PARTS.....	309,725	238,810	334,725	261,710
DEPOT MODERNIZATION.....	34,464	92,479	34,464	92,479
CLASSIFIED PROGRAMS				
DARP.....	64,941	64,941	64,941	64,941
TOTAL, AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES....	789,915	759,015	799,915	783,165
GENERAL REDUCTION.....	---	---	---	-158,600
TOTAL, AIRCRAFT PROCUREMENT, AIR FORCE.....	13,163,174	13,289,984	13,547,524	13,648,304

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EXPLANATION OF PROJECT LEVEL TABLES

[In thousands of dollars]

P-1	Budget Request	House	Senate	Conference
1 F-22 RAPTOR	3,633,769	3,603,769	3,603,769	3,603,769
Program Efficiencies		-30,000	-30,000	-30,000
New F-15 (AP)	0	0	0	110,000
Advance Procurement for F-15 (Transfer from Line 26)				+110,000
3 C-17A (MYP)	2,512,479	2,671,079	2,512,479	2,671,079
Full Funding for 15 Aircraft		+158,600		+158,600
5 C-17 ICS	945,560	786,960	979,560	979,560
New Capability Support		-158,600		0
C-17 Maintenance Training System			+34,000	+34,000
7 C-130J	732,505	769,171	769,205	769,171
AF Requested Transfer From Line 8		+36,666	+36,700	+36,666
8 C-130J ADVANCE PROCUREMENT (CY)	186,666	150,000	149,966	150,000
AF Requested Transfer To Line 7		-36,666	-36,700	-36,666
NEW C-40C	0	225,000	0	225,000
NEW INTRO TO FLIGHT/AIRMANSHIP PROGRAMS	0	0	880	880
Trainer Aircraft			+880	+880
13 TARGET DRONES	74,143	74,143	71,143	74,143
Excessive Management Costs			-3,000	0
NEW TANKER REPLACEMENT	0	0	110,000	0
Advance Procurement			+110,000	0
17 HAEUAV	287,768	202,178	287,768	287,768
Transfer of Navy Aircraft		-85,590		0
18 HAEUAV (AP-CY)	71,863	50,563	71,863	71,863
Reduction of 2 Aircraft		-21,300		0
19 PREDATOR UAV	146,609	186,609	146,609	176,609
Predator UAV (Note: Only to acquire 3 fully equipped Predator B aircraft and spares)		+40,000		+30,000
23 B-52	92,216	92,216	121,116	112,516
B-52 Attrition Reserve			+28,900	+20,300
24 F-117	13,223	23,023	13,223	23,023
Modification of 10 Aircraft		+9,800		+9,800
26 F-15	181,602	195,102	337,402	211,002
ALQ-135 Band 1.5 Jammers		+7,000	+10,000	+7,000
IFF for 125th F-15 ANG Fighter Wing		+5,000		+4,300
F-100 E-Kits Modifications for the National Guard		+1,500	+20,000	+14,000
Air to Air Interrogator/Identify Friend-or-Foe for ANG F-15			+5,800	+4,100
Advance Procurement for F-15 (Transfer to New Line)			+120,000	0

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P-1	Budget Request	House	Senate	Conference
27 F-16	336,289	336,289	374,289	352,889
ANG F-16 Block 42 Re-Engining Program		+10,000	+30,000	+21,000
Budget Growth / Execution		-10,000		-10,000
F-16 Slimline V On-board Oxygen Generation System			+8,000	+5,600
30 C-5	99,601	105,601	99,601	103,101
C-5 Modernization - AMP for Active, Guard, and Reserve Components		+6,000		+3,500
31 C-9	0	6,000	0	6,000
Hushkits		+6,000		+6,000
38 T-38	153,677	173,677	153,677	170,677
T-38 Ejection Seat Upgrade Program (ESUP)		+20,000		+17,000
41 KC-10A (ATCA)	37,314	25,614	31,014	37,314
GATM Cancellation		-11,700	-6,300	0
47 C-130	110,375	126,675	134,445	133,375
AN/AAQ-24V(13) Large Aircraft Infrared Countermeasures System for the Air Force Reserve Command HC-130 Fleet		+6,000		+3,000
ASAR For 109th LC-130		+4,000		+2,000
MAFFS for Western States Fire Fighting (Note: Only to procure Modular Airborne Fire Fighting Systems and trailers, spare parts kits and contractor logistics support to support ANG fire fighting requirements in the Western United States)		+18,000		+12,000
Link 16 Development		-11,700		-11,700
SENIOR SCOUT - Intelligent Communications Exploitation			+5,000	+3,300
SENIOR SCOUT - Directional Finding and Location Upgrades			+7,500	+4,900
SENIOR SCOUT - ANG Boise, Idaho			+2,000	+1,400
APN-241 Radar ANG C-13-H2			+6,570	+6,600
T56-A-15 Engine Upgrades for the C-130E			+3,000	+1,500
49 C-135	51,905	51,905	64,405	60,505
Improved Waste Removal System			+5,500	+2,800
SCATHE Chief			+7,000	+5,300
Emergency Vision Assurance System (EVAS)				+500
51 DARP	101,233	87,733	101,233	91,233
RC-135 Rivet Joint Baseline 9 Spares - Premature Request		-13,500		-10,000
56 H-60	95,068	95,068	95,068	97,568
HH-60G Weapon System Trainer/Operation Flight Trainer (Note: Transfer from Procurement, Defense-Wide, Line 38)			+5,000	+2,500
57 OTHER AIRCRAFT	76,701	49,901	76,701	63,501
ROBE Group B Kits		-13,200		-13,200
STING (R7) Modification		-13,600		0
60 CLASSIFIED PROJECTS	20,880	30,880	30,380	29,380
Compass Call Inboard Equipment		+5,000		+2,500
Compass Call SPEAR Pods		+5,000	+9,500	+6,000

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P-1	Budget Request	House	Senate	Conference
62 COMMON SUPPORT EQUIPMENT	223,600	205,600	208,600	206,850
Program Growth		-20,000	-15,000	-20,000
GL-1800 AP Truck Mounted Aircraft De-icers		+2,000	+5,000	+3,250
72 REPLENISHMENT SPARES/REPAIR PARTS	309,725	238,810	334,725	261,710
STING (R7) Pods		-12,900		-10,000
AF Requested Adjustment		-58,015		-58,015
LITENING AT Precision Attack Targeting Pod for AFRC			+10,000	+7,000
LITENING AT Precision Attack Targeting Pod for ANG			+15,000	+10,500
Nellis Combat Training Range Pod Upgrade (Transfer from OPAF, Line 60)				+2,500
73 DEPOT MODERNIZATION	34,464	92,479	34,464	92,479
AF Requested Adjustment		+58,015		+58,015
General Reduction				-158,600

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C-17 MULTIYEAR PROCUREMENT

The conferees have provided an additional \$158,600,000 in funding for the procurement of 15 C-17s in fiscal year 2005. Language has also been included in "Aircraft Procurement, Air Force" requiring the Air Force to procure 15 aircraft in fiscal year 2005; provide advance procurement for 15 aircraft in 2006; and to fully fund 15 aircraft in fiscal year 2006. The conferees agree with the House language regarding the Air Force interpretation of multiyear procurement regulations in this and the C-130J program. The conference report includes a general provision amending multiyear procurement contract requirements proposed in the House bill to prevent this approach in the future.

A general reduction in funding for Aircraft Procurement, Air Force, has been included accordingly with a requirement that the reduction be applied equitably across all elements of this appropriation.

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TANKER REPLACEMENT TRANSFER FUND

The conference report includes a general provision, section 8132, which provides \$100,000,000 to establish the "Tanker Replacement Transfer Fund". The establishment of this fund reflects the conferees' intent that the Air Force proceed apace with replacing its fleet of aging aerial refueling aircraft. In particular, the Department of Defense should endeavor to complete as quickly as possible the ongoing analysis of tanker replacement program alternatives.

The funds provided under section 8132 may be used to implement the current tanker replacement program of record. The conferees note, however, that the fluid nature of the situation surrounding this program prohibits a definitive allocation of funds for specific activities. Thus, the conference report provides the Secretary of the Air Force with the authority to allocate these funds to Air Force operation and maintenance, procurement, or research and development accounts, allowing the Air Force to quickly implement tanker acquisition plans once a final plan is approved. In any case, the conferees strongly urge the Department of Defense to thoroughly consider the effects on the U.S. aircraft industrial base of any and all tanker replacement program alternatives.

F/A-22 INDEPENDENT COST ESTIMATE

The conferees note that several significant decision points regarding continued production of the F/A-22 lay in the not-so-distant future. The program recently entered into Initial Operational Test and Evaluation, which is scheduled to conclude in the fall. Following completion of IOT&E, the Department will consider whether to grant authority for the program to enter full rate production, whether and when to request multiyear procurement authority, and as a subtext to all of this, whether there is a need to increase the production cost cap established under authorization law.

The conferees believe this is the appropriate point in the program to recalibrate F/A-22 cost models using the latest information on current and projected costs. Accordingly, the conferees direct the Under Secretary of Defense for Acquisition Technology and Logistics to sponsor a new comprehensive F/A-22 independent cost estimate (ICE), to be conducted by a federally funded research and development center (FFRDC) with demonstrated competence in this area in coordination with the Defense Contract Audit Agency (DCAA). This analysis should: 1) determine appropriate estimates of unit costs and validate unit cost models and related assumptions to include all pertinent pricing cost data based on the latest projections of production efficiencies; 2) identify optimal yearly production

profiles that can be financed under the budgetary framework contained in the 2005 Future Years Defense Plan; and, 3) determine appropriate estimates of remaining non-recurring development, test, and acquisition program oversight costs. The conferees expect that the FFRDC will be allowed to both contract the services of a private sector audit entity experienced in industry costing techniques, and coordinate the execution and review of this ICE with the DCAA. The conferees expect the F/A-22 prime contractor to provide full access and cooperation with this analytical effort to the FFRDC, DCAA, and any private sector audit agency involved under rules and procedures that adequately protect the confidentiality of proprietary financial data and manufacturing techniques. This ICE is to be transmitted to the congressional defense committees not later than August 15, 2005.

HEAVY OUTSIZED AIRLIFT CAPACITY

The conferees are aware of the on-going Mobility Capabilities Study and the probability that the current 54.5 MTM/day requirement will increase. The conferees, like the Air Force, recognize the value of filling whatever heavy, outsized lift requirement is validated with the most cost effective fleet structure to include better use of the Civilian Reserve Air Fleet. The conferees direct the Secretary of the Air Force to provide the Congressional Defense Committees no later than March 31, 2005, an assessment of options to introduce a U.S. owned, heavy, outsized airlift capability into the CRAF based on potential commercial uses of commercialized versions of U.S. heavy outsized cargo aircraft without the need for government investment or substantial involvement.

Similar to

MISSILE PROCUREMENT, AIR FORCE

The conference agreement on items addressed by either the House or the Senate is

as follows:

	Budget	(In thousands of dollars)		
		House	Senate	Conference
<hr style="border-top: 1px dashed black;"/>				
MISSILE PROCUREMENT, AIR FORCE				
BALLISTIC MISSILES				
MISSILE REPLACEMENT EQUIPMENT - BALLISTIC				
LGM-30F/G MINUTEMAN II/III.....	30,143	30,143	23,643	23,643
OTHER MISSILES				
TACTICAL				
JASSM.....	148,161	139,861	148,161	139,861
SIDEWINDER (AIM-9X).....	52,595	52,595	52,595	52,595
AMRAAM.....	107,354	107,354	107,354	107,354
PREDATOR HELLFIRE MISSILE.....	20,017	20,017	20,017	20,017
SMALL DIAMETER BOMB.....	29,257	29,257	29,257	29,257
INDUSTRIAL FACILITIES				
INDUSTRIAL PREPAREDNESS/POL PREVENTION.....	2,084	2,084	2,084	2,084
<hr style="border-top: 1px dashed black;"/>				
TOTAL, OTHER MISSILES.....	359,468	351,168	359,468	351,168
MODIFICATION OF INSERVICE MISSILES				
CLASS IV				
ADVANCED CRUISE MISSILE.....	4,094	4,094	4,094	4,094
MM III MODIFICATIONS.....	640,760	640,760	650,760	648,260
AGM-65D MAVERICK.....	222	222	222	222
AIR LAUNCH CRUISE MISSILE.....	21,154	21,154	21,154	21,154
<hr style="border-top: 1px dashed black;"/>				
TOTAL, MODIFICATION OF INSERVICE MISSILES.....	666,230	666,230	676,230	673,730

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		(In thousands of dollars)		
	Budget	House	Senate	Conference

SPARES AND REPAIR PARTS				
OTHER AIRCRAFT				
ADVANCED CRUISE MISSILE.....	8,020	8,020	8,020	8,020
AIM-7E SPARROW.....	1,898	1,898	1,898	1,898
AIM-9 SIDEWINDER.....	6,273	6,273	6,273	6,273
SIDEWINDER (AIM-9X).....	1,759	1,759	1,759	1,759
AGM-130 POWERED GBU-15.....	368	368	368	368
LGM-30F/G MINUTEMAN II/III.....	10,016	10,016	10,016	10,016
MM III MODIFICATIONS.....	12,866	12,866	12,866	12,866
AGM-65D MAVERICK.....	1,423	1,423	1,423	1,423
AGM-88A HARM.....	2,868	4,868	2,868	4,568
AIR LAUNCH CRUISE MISSILE.....	4,609	4,609	4,609	4,609
AMRAAM.....	341	341	341	341
PEACEKEEPER (M-X).....	11,669	11,669	11,669	11,669
	-----	-----	-----	-----
TOTAL, OTHER AIRCRAFT.....	62,110	64,110	62,110	63,810
OTHER SUPPORT				
SPACE PROGRAMS				
ADVANCED EHF (AP-CY).....	98,590	78,590	98,590	78,590
WIDEBAND GAFILLER SATELLITES.....	40,307	40,307	40,307	40,307
SPACEBORNE EQUIP (COMSEC).....	9,250	9,250	9,250	9,250
GLOBAL POSITIONING (SPACE).....	300,772	300,772	300,772	300,772
GLOBAL POSITIONING (SPACE) (AP-CY).....	29,758	29,758	29,758	29,758
DEF METEOROLOGICAL SAT PROG(S).....	74,201	74,201	74,201	74,201
DEFENSE SUPPORT PROGRAM(SPACE).....	116,468	86,468	116,468	106,468
DEFENSE SATELLITE COMM SYSTEM.....	6,613	6,613	6,613	6,613
TITAN SPACE BOOSTERS(SPACE).....	74,290	49,290	71,290	49,290
EVOLVED EXPENDABLE LAUNCH VEH.....	610,997	519,997	510,997	510,997
MEDIUM LAUNCH VEHICLE(SPACE).....	102,872	71,872	97,872	82,872
SPECIAL PROGRAMS				
DEFENSE SPACE RECONN PROGRAM.....	332,388	332,388	332,388	332,388
SPECIAL UPDATE PROGRAMS.....	130,809	130,809	126,209	126,209
	-----	-----	-----	-----
TOTAL, OTHER SUPPORT.....	1,927,315	1,730,315	1,814,715	1,747,715
CLASSIFIED PROGRAMS.....	1,673,047	1,583,047	1,673,047	1,598,047
	-----	-----	-----	-----
TOTAL, MISSILE PROCUREMENT, AIR FORCE.....	4,718,313	4,425,013	4,609,213	4,458,113

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EXPLANATION OF PROJECT LEVEL TABLES
[In thousands of dollars]

P-1	Budget Request	House	Senate	Conference
1 LGM-30F/G MINUTEMAN II/III Miscellaneous Equipment Cost Growth	30,143	30,143	23,643 -6,500	23,643 -6,500
3 JASSM Operational Suitability Deficiencies	148,161	139,861 -8,300	148,161	139,861 -8,300
12 MM III MODIFICATIONS Safety Enhanced Reentry Vehicle (SERV)	640,760	640,760	650,760 +10,000	648,260 +7,500
24 AGM-88A HARM HARM Upgrade (HDAM)	2,868	4,868 +2,000	2,868	4,568 +1,700
28 ADVANCED EHF (AP-CY) Excessive Amount Budgeted For AP	98,590	78,590 -20,000	98,590	78,590 -20,000
34 DEFENSE SUPPORT PROGRAM (SPACE) Excess funding for projected launch schedule	116,468	86,468 -30,000	116,468	106,468 -10,000
36 TITAN SPACE BOOSTERS (SPACE) Delay of launch activities given launch slips	74,290	49,290 -25,000	71,290 -3,000	49,290 -25,000
37 EVOLVED EXPENDABLE LAUNCH VEHICLE AF Requested Transfer	610,997	519,997 -91,000	510,997 -100,000	510,997 -100,000
38 MEDIUM LAUNCH VEHICLE (SPACE) Excess Rate Growth	102,872	71,872 -31,000	97,872 -5,000	82,872 -20,000
44 SPECIAL UPDATE PROGRAMS Classified Reduction	130,809	130,809	126,209 -4,600	126,209 -4,600

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JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM)

The conferees question the assessment of the Air Force with regard to the presumed sound and proven design of JASSM. Operational Test and Evaluation results ending in April found mission reliability to be 53 percent, a figure the Air Force has identified as meeting its benchmark for effectiveness. JASSM mission reliability of 53 percent is poor in comparison to similar weapons; Javelin reliability was 100 percent, JDAM was 85 percent, JSOW-A was 95 percent, and Hellfire was 95 percent at the end of operational testing.

The conferees note that this troublesome mission success rate only continues to be validated by recent testing. As recently as June 29th, a JASSM launched from an F-16 failed to transition power from batteries to engine causing the missile to crash well short of the target. In a June 8th test from a B-2, problems with the mission planning system resulted in a mission failure. The two successful launches from B-1 aircraft required mission planning time even slower than that noted in the Operational Test and Evaluation report.

The conferees restate the concerns identified in the House report and expect that improvements will be made to increase the reliability of the

baseline missile program. Failure to do so will cause the conferees to reconsider their support for this program and the extended range version.

PROCUREMENT OF AMMUNITION, AIR FORCE

The conference agreement on items addressed by either the House or the Senate is as follows:

		(In thousands of dollars)		
	Budget	House	Senate	Conference

PROCUREMENT OF AMMUNITION, AIR FORCE				
PROCUREMENT OF AMMO, AIR FORCE				
ROCKETS.....	34,557	34,557	34,557	34,557
CARTRIDGES.....	149,100	129,100	149,100	129,100
BOMBS				
PRACTICE BOMBS.....	46,918	46,918	46,918	46,918
GENERAL PURPOSE BOMBS.....	266,489	236,589	241,489	235,089
SENSOR FUZED WEAPON.....	117,023	117,023	117,023	117,023
JOINT DIRECT ATTACK MUNITION.....	521,782	521,782	516,782	516,782
WIND CORRECTED MUNITIONS DISP.....	58,670	58,670	58,670	58,670
FLARE, IR MJU-7B				
CAD/PAD.....	20,379	20,379	20,379	20,379
EXPLOSIVE ORDINANCE DISPOSAL I1063.....	2,889	2,889	2,889	2,889
SPARES AND REPAIR PARTS.....	179	4,364	179	4,364
REPLENISHMENT SPARES.....	4,185	---	4,185	---
MODIFICATIONS LESS THAN \$5M.....	202	202	202	202
ITEMS LESS THAN \$5,000,000.....	2,798	2,798	2,798	2,798
FUZES				
FLARES.....	123,830	123,830	119,530	119,530
FUZES.....	36,507	36,507	28,209	28,209

TOTAL, PROCUREMENT OF AMMO, AIR FORCE.....	1,385,508	1,335,608	1,342,910	1,316,510
WEAPONS				
SMALL ARMS.....	10,949	10,949	10,949	10,949

TOTAL, PROCUREMENT OF AMMUNITION, AIR FORCE.....	1,396,457	1,346,557	1,353,859	1,327,459

EXPLANATION OF PROJECT LEVEL TABLES
[In thousands of dollars]

P-1	Budget Request	House	Senate	Conference
2 CARTRIDGES	149,100	129,100	149,100	129,100
Execution		-20,000		-20,000
4 GENERAL PURPOSE BOMBS	266,489	236,589	241,489	235,089
Program Growth		-35,000		-35,000
Incorrect Justification		-4,900		-4,900
GBU-27A/B, Enhanced Paveway III		+10,000		+8,500
MAU-169H/B Program Growth			-25,000	0
6 JOINT DIRECT ATTACK MUNITION	521,782	521,782	516,782	516,782
Engineering Change Orders Execution			-5,000	-5,000
10 SPARES AND REPAIR PARTS	179	4,364	179	4,364
AF Requested Transfer from Line 11		+4,185		+4,185
11 REPLENISHMENT SPARES	4,185	0	4,185	0
AF Requested Transfer into Line 10		-4,185		-4,185
14 FLARES	123,830	123,830	119,530	119,530
LUU-1 Program Delay			-3,000	-3,000
MJU-39/40 Unit Cost Savings			-1,300	-1,300
15 FUZES	36,507	36,507	28,209	28,209
FMU-139			-8,298	-8,298

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OTHER PROCUREMENT, AIR FORCE

The conference agreement on items addressed by either the House or the Senate is

as follows:

	(In thousands of dollars)			
	Budget	House	Senate	Conference
<hr/>				
OTHER PROCUREMENT, AIR FORCE				
VEHICULAR EQUIPMENT				
PASSENGER CARRYING VEHICLES				
ARMORED VEHICLE.....	250	250	250	250
PASSENGER CARRYING VEHICLE.....	11,873	11,873	11,873	11,873
CARGO + UTILITY VEHICLES				
TRUCK, STAKE/PLATFORM.....	8,342	8,342	8,342	8,342
TRUCK, CARGO-UTILITY, 3/4T, 4X4.....	13,415	13,415	13,415	13,415
TRUCK, CARGO-UTILITY, 3/4T, 4X2.....	7,855	7,855	7,855	7,855
TRUCK MAINT/UTILITY/DELIVERY.....	9,062	9,062	9,062	9,062
TRUCK CARRYALL.....	4,166	4,166	4,166	4,166
FAMILY MEDIUM TACTICAL VEHICLE.....	15,332	15,332	15,332	15,332
HIGH MOBILITY VEHICLE (MYP).....	7,555	7,555	7,555	7,555
TRUCK TRACTOR, OVER 5T.....	14,086	14,086	14,086	14,086
CAP VEHICLES.....	802	802	802	802
ITEMS LESS THAN \$5M.....	24,734	24,734	24,734	24,734
SPECIAL PURPOSE VEHICLES				
TRUCK, TANK, 1200 GAL.....	5,775	5,775	5,775	5,775
TRUCK TANK FUEL R-11.....	14,642	14,642	14,642	14,642
HMMWV, ARMORED.....	2,301	2,301	2,301	2,301
TRUCK, REFUSE.....	549	549	549	549
HMMWV, UP-ARMORED.....	6,953	6,953	6,953	6,953
TRACTOR, A/C TOW, MB-4.....	11,127	11,127	11,127	11,127
TRACTOR, TOW, FLIGHTLINE.....	6,820	6,820	6,820	6,820
TRUCK HYDRANT FUEL.....	45	45	147	147
ITEMS LESS THAN \$5M.....	38,839	38,839	43,737	38,737

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		(In thousands of dollars)		
	Budget	House	Senate	Conference
FIRE FIGHTING EQUIPMENT				
TRUCK CRASH P-19.....	16,158	16,158	16,158	16,158
ITEMS LESS THAN \$5M.....	8,372	8,372	8,372	8,372
MATERIALS HANDLING EQUIPMENT				
TRUCK, F/L 6000 LB.....	7,408	7,408	7,408	7,408
TRUCK, F/L 10,000 LB.....	18,588	25,588	18,588	25,588
HALVERSEN LOADER.....	---	20,000	---	17,000
ITEMS LESS THAN \$5M.....	18,184	12,184	18,184	12,184
BASE MAINTENANCE SUPPORT				
LOADER, SCOOP.....	9,414	9,414	9,414	9,414
LOADER, SCOOP, W/BACKHOE.....	4,202	4,202	4,202	4,202
TRUCK, DUMP.....	10,609	10,609	10,609	10,609
RUNWAY SNOW REMOVAL & CLEANING.....	22,589	22,589	22,589	22,589
CRANE, 7-50 TON.....	5,827	5,827	5,827	5,827
MODIFICATIONS.....	4,474	4,474	4,474	4,474
ITEMS LESS THAN \$5M.....	34,013	34,013	34,013	34,013
TOTAL, VEHICULAR EQUIPMENT.....	364,361	385,361	369,361	382,361
ELECTRONICS AND TELECOMMUNICATIONS EQUIP				
COMM SECURITY EQUIPMENT(COMSEC)				
COMSEC EQUIPMENT.....	46,867	46,867	34,637	34,637
MODIFICATIONS (COMSEC).....	462	462	462	462
INTELLIGENCE PROGRAMS				
INTELLIGENCE TRAINING EQUIPMENT.....	2,902	2,902	2,902	2,902
INTELLIGENCE COMM EQUIP.....	1,695	1,695	1,695	1,695
ELECTRONICS PROGRAMS				
AIR TRAFFIC CTRL/LAND SYS (AT.....	2,949	5,949	2,949	4,449
NATIONAL AIRSPACE SYSTEM.....	44,354	44,354	44,354	44,354
THEATER AIR CONTROL SYS IMPRO.....	67,471	52,671	67,471	52,671
WEATHER OBSERVE/FORECAST.....	32,366	32,366	28,236	28,236
STRATEGIC COMMAND AND CONTROL.....	49,300	49,300	49,300	49,300
CHEYENNE MOUNTAIN COMPLEX.....	17,672	17,672	17,672	17,672
TAC SIGINT SUPPORT.....	386	386	386	386
DRUG INTERDICTION PROGRAM.....	404	404	404	404

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		(In thousands of dollars)		
	Budget	House	Senate	Conference
SPECIAL COMM-ELECTRONICS PROJECTS				
GENERAL INFORMATION TECHNOLOGY.....	99,862	102,862	111,862	110,762
AF GLOBAL COMMAND & CONTROL S.....	17,324	17,324	17,324	17,324
MOBILITY COMMAND AND CONTROL.....	8,982	8,982	8,982	8,982
AIR FORCE PHYSICAL SECURITY S.....	93,750	94,750	93,750	95,250
COMBAT TRAINING RANGES.....	38,142	59,142	25,942	31,942
C3 COUNTERMEASURES.....	11,812	11,812	11,812	11,812
GCSS-AF FOS.....	18,614	18,614	18,614	18,614
THEATER BATTLE MGT C2 SYS.....	44,669	44,669	44,669	44,669
AIR OPERATIONS CENTER (AOC).....	43,269	43,269	43,269	43,269
AIR FORCE COMMUNICATIONS				
BASE INFORMATION INFRASTRUCTURE.....	423,972	365,972	400,972	375,172
USCENTCOM.....	30,430	30,430	30,430	30,430
DEFENSE MESSAGE SYSTEM (DMS).....	8,297	8,297	8,297	8,297
DISA PROGRAMS				
NAVSTAR GPS SPACE.....	10,272	10,272	10,272	10,272
NUDET DETECTION SYS (NDS) SPA.....	7,554	7,554	7,554	7,554
AF SATELLITE CONTROL NETWORK.....	43,882	43,882	43,882	43,882
SPACELIFT RANGE SYSTEM SPACE.....	101,458	103,458	106,458	104,958
MILSATCOM SPACE.....	19,176	19,176	15,076	15,076
SPACE MODS SPACE.....	16,346	16,346	16,346	16,346
ORGANIZATION AND BASE				
TACTICAL C-E EQUIPMENT.....	141,883	141,883	141,883	141,883
COMBAT SURVIVOR EVADER LOCATE.....	13,936	13,936	13,936	13,936
RADIO EQUIPMENT.....	8,777	12,777	13,777	12,777
TV EQUIPMENT (AFRTV).....	5,112	5,112	5,112	5,112
CCTV/AUDIOVISUAL EQUIPMENT.....	3,271	3,271	3,271	3,271
BASE COMM INFRASTRUCTURE.....	118,935	125,435	118,935	121,435
ITEMS LESS THAN \$5M.....	5,948	5,948	5,948	5,948
MODIFICATIONS				
COMM ELECT MODS.....	23,400	23,400	23,400	23,400
TOTAL, ELECTRONICS AND TELECOMMUNICATIONS EQUIP.....	1,625,901	1,593,601	1,592,241	1,559,541

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		(In thousands of dollars)		
	Budget	House	Senate	Conference

OTHER BASE MAINTENANCE AND SUPPORT EQUIP				
TEST EQUIPMENT				
BASE/ALC CALIBRATION PACKAGE.....	15,306	15,306	15,306	15,306
PRIMARY STANDARDS LABORATORY.....	1,107	1,107	1,107	1,107
ITEMS LESS THAN \$5M.....	7,607	7,607	7,607	7,607
PERSONAL SAFETY AND RESCUE EQUIP				
NIGHT VISION GOGGLES.....	17,349	17,349	17,349	17,349
ITEMS LESS THAN \$5M.....	12,997	19,997	24,497	23,997
DEPOT PLANT + MATERIALS HANDLING EQ				
MECHANIZED MATERIAL HANDLING.....	16,155	20,155	24,155	22,155
ITEMS LESS THAN \$5M.....	6,503	6,503	6,503	6,503
ELECTRICAL EQUIPMENT				
FLOODLIGHTS.....	5,882	5,882	5,882	5,882
ITEMS LESS THAN \$5M.....	9,876	9,876	9,876	9,876
BASE SUPPORT EQUIPMENT				
BASE PROCURED EQUIPMENT.....	8,401	11,401	13,401	11,401
MEDICAL/DENTAL EQUIPMENT.....	14,019	14,019	14,019	14,019
AIR BASE OPERABILITY.....	5,432	5,432	5,432	5,432
PHOTOGRAPHIC EQUIPMENT.....	1,424	1,424	1,424	1,424
PRODUCTIVITY ENHANCING CAPITA.....	5,475	5,475	5,475	5,475
MOBILITY EQUIPMENT.....	320,116	268,116	320,116	268,116
AIR CONDITIONERS.....	1,452	1,452	1,452	1,452
ITEMS LESS THAN \$5M.....	18,811	18,811	18,811	18,811

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		(In thousands of dollars)		
	Budget	House	Senate	Conference
SPECIAL SUPPORT PROJECTS				
TECH SURV COUNTERMEASURES EQ.....	4,034	4,034	4,034	4,034
DARP RC135.....	18,726	18,726	18,726	18,726
DARP, MRIGS.....	320,218	110,218	320,218	120,218
SELECTED ACTIVITIES.....	---	---	10,201,297	---
SPECIAL UPDATE PROGRAM.....	224,988	224,988	224,988	224,988
DEFENSE SPACE RECONNAISSANCE.....	14,264	14,264	14,264	14,264
MODIFICATIONS.....	195	195	195	195
FIRST DESTINATION TRANSPORTATION.....	5,767	5,767	5,767	5,767
TOTAL, OTHER BASE MAINTENANCE AND SUPPORT EQUIP.....	1,056,104	808,104	11,281,901	824,104
SPARE AND REPAIR PARTS				
SPARES AND REPAIR PARTS.....	41,097	41,097	41,097	41,097
REPLENISHMENT SPARES.....	297	297	297	297
CLASSIFIED PROGRAMS.....	10,195,797	10,371,147	---	10,263,897
TOTAL, OTHER PROCUREMENT, AIR FORCE.....	13,283,557	13,199,607	13,284,897	13,071,297

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EXPLANATION OF PROJECT LEVEL TABLES
[In thousands of dollars]

P-1	Budget Request	House	Senate	Conference
26 TRUCK HYDRANT FUEL	45	45	147	147
Transfer from Line 27			+102	+102
27 ITEMS LESS THAN \$5 MILLION	38,839	38,839	43,737	38,737
Transfer to Line 26			-102	-102
GL-1800 AP Truck Mounted Aircraft De-icers (Transfer to APAF, Line 62)			+5,000	0
31 TRUCK, F/L 10,000 LB	18,588	25,588	18,588	25,588
Material Handling Equipment		+7,000		+7,000
33 HALVERSEN LOADER	0	20,000	0	17,000
Halversen Loaders		+20,000		+17,000
34 ITEMS LESS THAN \$5 MILLION	18,184	12,184	18,184	12,184
Execution		-6,000		-6,000
44 COMSEC EQUIPMENT	46,867	46,867	34,637	34,637
KIV-7M - Unjustified Request			-12,230	-12,230
48 AIR TRAFFIC CONTROL/LANDING SYSTEM	2,949	5,949	2,949	4,449
Automatic Flight Following System Pilot Project at McEntire Air Base		+3,000		+1,500
50 THEATER AIR CONTROL SYSTEM IMPROVEMENTS	67,471	52,671	67,471	52,671
BCS-M Block 20 Upgrades		-15,800		-15,800
Precision Aerial Delivery System (PADS)		+1,000		+1,000
51 WEATHER OBSERVE/FORECAST	32,366	32,366	28,236	28,236
Digital Ionospheric Sounder System			-4,130	-4,130
56 GENERAL INFORMATION TECHNOLOGY	99,862	102,862	111,862	110,762
EAGLE SCOUT - Advanced Compression of Tactical Sensor Information		+3,000		+1,500
Eagle Vision			+5,000	+3,500
Science and Engineering Lab Data Integration (SELDI)			+7,000	+4,900
ADR - Aeronautical System Center				+1,000
59 AIR FORCE PHYSICAL SECURITY SYSTEM	93,750	94,750	93,750	95,250
Force Protection Near Real Time Surveillance System		+1,000		+1,000
Digital Network Centric Remotely Operated Weapons System				+500
60 COMBAT TRAINING RANGES	38,142	59,142	25,942	31,942
UMTE Modernization		+5,000		+2,500
Joint Threat Emitter for the ANG Alpena Combat Training Range		+7,500	+7,500	+7,500
JTE for Poinsett Range		+5,000		+2,500
Nellis Combat Training Range Pod Upgrade		+3,500		+1,000
Joint Simulator Upgrades			-19,700	-19,700
66 BASE INFORMATION INFRASTRUCTURE	423,972	365,972	400,972	375,172
Information Transport Systems Program Growth (CITS)		-60,000	-35,000	-60,000
AFRC COOP (Note: Only for data storage infrastructure and force protection for AFRC IT consolidation/COOP at March AFB.)		+2,000		+1,000
Alaska Land Mobile Radio			+12,000	+10,200

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P-1	Budget Request	House	Senate	Conference
73 SPACELIFT RANGE SYSTEM SPACE	101,458	103,458	106,458	104,958
National Range HF Sustainment Program (Note: Using SCOPE Command)		+2,000	+5,000	+3,500
74 MILSATCOM SPACE	19,176	19,176	15,076	15,076
GBS Receive Suites			-4,100	-4,100
78 RADIO EQUIPMENT	8,777	12,777	13,777	12,777
SCOPE Command High Frequency Communications Network		+4,000	+5,000	+4,000
81 BASE COMM INFRASTRUCTURE	118,935	125,435	118,935	121,435
Digital Deployed Training Campus (DDTC) Fielding Program		+5,000		+2,500
Aircrew Survival Radio Test Sets (Transfer to Line 88)		+1,500		0
88 ITEMS LESS THAN \$5 MILLION	12,997	19,997	24,497	23,997
Fixed Aircrew Standardized Seats		+3,000	+4,800	+3,100
MA-16 Improved Inertia Reel Replacement Kits		+2,000		+1,000
Replacement of Parachute Canopy Releases on ACES II Ejection Seats		+2,000		+1,000
Aircrew Laser Eye Protection			+2,700	+2,300
Aircrew Survival Radio Test Sets			+4,000	+2,600
MBU-20/P Oxygen Mask and Visor				+1,000
89 MECHANIZED MATERIAL HANDLING	16,155	20,155	24,155	22,155
Point of Maintenance/Combat Ammunition System (POMX/CAS) Initiative		4,000	8,000	+6,000
93 BASE PROCURED EQUIPMENT	8,401	11,401	13,401	11,401
Combat Arms Training System - ANG		+3,000	+5,000	+3,000
99 MOBILITY EQUIPMENT	320,116	268,116	320,116	268,116
Program Growth		-52,000		-52,000
105 DARP, MRIGS	320,218	110,218	320,218	120,218
DCGS - ETP SATCOM Ground Stations (Transferred to Title IX)		-190,000		-190,000
DCGS - Accelerated Fielding of DCGS		-20,000		-10,000
106 SELECTED ACTIVITIES			10,201,297	0
Classified Adjustment (Transferred to Classified Programs)			+5,500	0
CLASSIFIED PROGRAMS	10,195,797	10,371,147	0	10,263,897

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PROCUREMENT, DEFENSE-WIDE

The conference agreement on items addressed by either the House or the Senate is

as follows:

	Budget	(In thousands of dollars)		
		House	Senate	Conference
<hr style="border-top: 1px dashed black;"/>				
PROCUREMENT, DEFENSE-WIDE				
MAJOR EQUIPMENT				
MAJOR EQUIPMENT, OSD/WHS				
WHS MOTOR VEHICLES.....	40	40	40	40
MAJOR EQUIPMENT, OSD.....	125,320	104,072	125,320	101,372
MAJOR EQUIPMENT, WHS.....	23,324	23,324	23,324	23,324
MAJOR EQUIPMENT, NSA				
INFORMATION SYSTEM SECURITY PROGRAM.....	10,487	30,487	30,487	30,487
MAJOR EQUIPMENT, DISA				
INFORMATION SYSTEMS SECURITY.....	44,827	49,827	44,827	49,077
DEFENSE MESSAGE SYSTEM.....	4,261	4,261	4,261	4,261
GLOBAL COMMAND AND CONTROL SYS.....	5,187	5,187	5,187	5,187
GLOBAL COMBAT SUPPORT SYSTEM.....	2,639	2,639	2,639	2,639
TELEPORTS.....	42,710	42,710	42,710	42,710
GLOBAL INFORMATION GRID.....	---	---	12,000	10,200
ITEMS LESS THAN \$5M.....	38,217	38,217	38,217	38,217
MAJOR EQUIPMENT, DIA				
MAJOR EQUIPMENT, DLA				
MAJOR EQUIPMENT.....	7,874	7,874	7,874	7,874
MAJOR EQUIPMENT, DCAA				
MAJOR EQUIPMENT ITEMS LESS THAN \$5M.....	1,496	1,496	1,496	1,496
MAJOR EQUIPMENT, TJS				
MAJOR EQUIPMENT, TJS.....	47,633	47,633	47,633	47,633
MAJOR EQUIPMENT, DHRA				
PERSONNEL ADMINISTRATION.....	7,187	7,187	7,187	7,187
NATIONAL IMAGERY AND MAPPING AGENCY				
DEFENSE THREAT REDUCTION AGENCY				
VEHICLES.....	80	80	80	80

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		(In thousands of dollars)		
	Budget	House	Senate	Conference
OTHER MAJOR EQUIPMENT.....	23,772	23,772	23,772	23,772
MAJOR EQUIPMENT, AFIS				
MAJOR EQUIPMENT, AFIS.....	6,977	6,977	6,977	6,977
MAJOR EQUIPMENT, DODDE				
AUTOMATION/EDUCATIONAL SUPPORT & LOGISTICS.....	2,965	2,965	2,965	2,965
MAJOR EQUIPMENT, DCMA				
MAJOR EQUIPMENT.....	18,945	18,945	18,945	18,945
MAJOR EQUIPMENT, DTSA				
MAJOR EQUIPMENT.....	628	628	628	628
MAJOR EQUIPMENT, NDU				
NATIONAL DEFENSE UNIVERSITY.....	348	348	348	348
TOTAL, MAJOR EQUIPMENT.....	414,917	418,669	446,917	425,419
SPECIAL OPERATIONS COMMAND				
AVIATION PROGRAMS				
SOF ROTARY WING UPGRADES.....	447,272	454,272	205,019	206,019
MH-60 SLEP.....	---	---	71,718	82,418
MH-47 SLEP.....	---	---	152,835	152,835
SOF TRAINING SYSTEMS.....	49,192	49,192	54,192	49,192
MC-130H COMBAT TALON II.....	82,079	82,079	82,079	82,079
CV-22 SOF MODIFICATION.....	126,083	126,083	115,083	126,083
AC-130U GUNSHIP ACQUISITION.....	10,243	10,243	10,243	10,243
C-130 MODIFICATIONS.....	110,666	120,666	36,661	57,061
MH-130H AIR REFUELING SYSTEM.....	---	---	30,505	30,505
AIRCRAFT SUPPORT.....	387	387	387	387
SHIPBUILDING				
ADVANCED SEAL DELIVERY SYS.....	5,864	13,264	5,864	5,864
ADVANCED SEAL DELIVERY SYS (AP-CY).....	34,921	---	---	---
MK VIII MOD 1 - SEAL DELIVERY VEH.....	1,768	1,768	1,768	1,768
AMMUNITION PROGRAMS				
SOF ORDNANCE REPLENISHMENT.....	34,380	34,380	34,380	34,380
SOF ORDNANCE ACQUISITION.....	12,166	12,166	11,666	11,666

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		(In thousands of dollars)		
	Budget	House	Senate	Conference
OTHER PROCUREMENT PROGRAMS				
COMM EQUIPMENT & ELECTRONICS.....	38,434	45,434	42,434	47,134
SOF INTELLIGENCE SYSTEMS.....	16,946	34,946	16,946	29,546
SOF SMALL ARMS & WEAPONS.....	8,221	40,721	21,221	38,921
MARITIME EQUIPMENT MODS.....	1,796	1,796	1,796	1,796
SPECIAL APPLICATIONS FOR CONTINGENCIES.....	16,184	16,184	16,184	16,184
SOF COMBATANT CRAFT SYSTEMS.....	7,297	7,297	7,297	7,297
SPARES AND REPAIR PARTS.....	8,369	8,369	8,369	8,369
TACTICAL VEHICLES.....	493	8,493	10,493	9,493
SOF MARITIME EQUIPMENT.....	3,449	3,449	3,449	3,449
MISCELLANEOUS EQUIPMENT.....	16,830	19,830	21,140	20,330
SOF PLANNING AND REHEARSAL SYSTEM.....	192	192	192	192
SOF OPERATIONAL ENHANCEMENTS.....	233,632	241,632	201,232	215,632
PSYOP EQUIPMENT.....	18,388	18,388	18,388	18,388
TOTAL, SPECIAL OPERATIONS COMMAND.....	1,285,252	1,351,231	1,181,541	1,267,231
CHEMICAL/BIOLOGICAL DEFENSE				
CBDP				
INSTALLATION FORCE PROTECTION.....	104,935	104,935	104,935	104,935
INDIVIDUAL PROTECTION.....	131,926	132,926	133,926	133,926
DECONTAMINATION.....	11,284	11,284	11,284	11,284
JOINT BIOLOGICAL DEFENSE PROGRAM.....	101,097	101,097	101,097	101,097
COLLECTIVE PROTECTION.....	18,394	18,394	33,394	36,144
CONTAMINATION AVOIDANCE.....	270,105	289,105	294,305	289,805
TOTAL, CHEMICAL/BIOLOGICAL DEFENSE.....	637,741	657,741	678,941	677,191
CLASSIFIED PROGRAMS.....	545,392	600,392	559,904	586,206
TOTAL, PROCUREMENT, DEFENSE-WIDE.....	2,883,302	3,028,033	2,867,303	2,956,047

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EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

P-1	Budget Request	House	Senate	Conference
2 MAJOR EQUIPMENT, OSD	125,320	104,072	125,320	101,372
BMMP Domain Procurement Systems		-30,248		-30,248
AHPCRC - Supercomputer Procurement		+9,000		+6,300
5 INFORMATION SYSTEM SECURITY PROGRAM	10,487	30,487	30,487	30,487
Secure Wireless Cell Phones		+20,000	+20,000	+20,000
9 INFORMATION SYSTEMS SECURITY PROGRAM	44,827	49,827	44,827	49,077
Vulnerability Management		+5,000		+4,250
15 GLOBAL INFORMATION GRID	0	0	12,000	10,200
Global Information Grid			+12,000	+10,200
37 SOF ROTARY WING UPGRADES	447,272	454,272	205,019	206,019
Infrared Engine Suppression kits for MH-47 Helicopters		+7,000	+5,000	+6,000
MH-60 SLEP Transfer to New Line			-94,418	-94,418
MH-47 SLEP Transfer to New Line			-152,835	-152,835
37A MH-60 SLEP	0	0	71,718	82,418
Transfer from Line 37 - Create New Line			+94,418	+94,418
Publications			-5,000	-5,000
Cost growth			-17,700	-7,000
37B MH-47 SLEP	0	0	152,835	152,835
Transfer from Line 37 - Create New Line			+152,835	+152,835
38 SOF TRAINING SYSTEMS	49,192	49,192	54,192	49,192
HH-60G Weapon System Trainer/Operation Flight			+5,000	0
Trainer (Note: Transferred to AP,AF Line 56)				
40 CV-22 SOF MODIFICATION	126,083	126,083	115,083	126,083
ILS Reduction (note: Conferees agree to rescind \$11,000 in fiscal year 2004 funds)			-11,000	0
42 C-130 MODIFICATIONS	110,666	120,666	36,661	57,061
EC-130J Fleet Conversion for 193rd SOW in PA		+10,000		+6,000
MC-130H Air Refueling System Funding Transfer to New Line			-30,505	-30,505
Low Band Jammer			-13,900	-13,900
Towed Decoy			-15,200	-15,200
Basic LAMP DIRCM-ILS			-14,400	0
42A MC-130 AIR REFUELING SYSTEM	0	0	30,505	30,505
MC-130 Air Refueling System Funding Transfer - Create New Line			+30,505	+30,505
44 ADVANCED SEAL DELIVERY SYSTEM	5,864	13,264	5,864	5,864
Universal Pylon		+7,400		0
45 ADVANCED SEAL DELIVERY SYSTEM (AP-CY)	34,921	0	0	0
Program Restructure		-34,921	-34,921	-34,921
48 SOF ORDNANCE ACQUISITION	12,166	12,166	11,666	11,666
SLAM			-500	-500
49 COMM EQUIPMENT & ELECTRONICS	38,434	45,434	42,434	47,134
Multi-band, Inter/Intra Team Radio		+5,000		+4,300

P-1	Budget Request	House	Senate	Conference
Buster Backpack UAV		+2,000		+1,400
Automatic Equipment ID			+4,000	+3,000
50 SOF INTELLIGENCE SYSTEMS	16,946	34,946	16,946	29,546
Joint Threat Warning System - Maritime SEID		+3,000		+2,600
Tagging, Tracking and Locating Devices		+15,000		+10,000
51 SOF SMALL ARMS & WEAPONS	8,221	40,721	21,221	38,921
Durable Illumination Aiming Laser		+3,500		+3,500
AN/PVS-15 Night Vision Goggles		+4,000		+2,000
Magnum Universal Night Sight (MUNS)		+2,000		+1,700
Dualband Universal Night Sight (DUNS)		+2,000		+1,700
Universal Night Sight		+1,000		+1,000
Raven Unmanned Aerial Vehicle Systems		+15,000		+7,500
Neptune Unmanned Aerial Vehicle Systems		+5,000		+4,000
M4 Mod Kits (Weapons Shot Counter)			+3,000	+2,300
MK47 Mod 0 Striker			+10,000	+7,000
59 TACTICAL VEHICLES	493	8,493	10,493	9,493
Light Weight Tactical All Terrain Vehicle		+8,000	+10,000	+9,000
62 MISCELLANEOUS EQUIPMENT	16,830	19,830	21,140	20,330
AN/PVS-21 Low Profile Night Vision Goggles		+1,500	+3,000	+2,100
Olfactory Signature Reduction Baselayer Garments (Note: Only for the moisture management baselayer garments.)		+1,500	+1,310	+1,400
64 SOF OPERATIONAL ENHANCEMENTS	233,632	241,632	201,232	215,632
Only for Digital Intelligence Situation Mapboards		+1,000		+1,000
SOF Universal ID Marking System SOFMARK (Note: Only for SOF Universal ID Marking System to provide for initial procurement and fielding.)		+1,000		+1,000
MI/M2 Gunfire/Sniper Detection Systems (GD/SDS) (Note: Only to continue the existing program and integrate onto heliborne platforms.)		+6,000		+5,100
Special Operations Logistics Support Craft			+4,600	+4,600
Classified Adjustment			-37,000	-30,000
Tandem Phoenix Bundle Canopy				+300
67 INDIVIDUAL PROTECTION	131,926	132,926	133,926	133,926
Patch Technology Project to Prevent Leaks and Hazardous Material Spill		+1,000		+1,000
Individual Protection Masks			+2,000	+1,000
70 COLLECTIVE PROTECTION.	18,394	18,394	33,394	36,144
Chem-Bio Collective Protection			+5,000	+3,500
Chemical Biological Protective Shelter (Retrofit Kits) (Note: Includes transfer from line 71)			+10,000	+14,250
71 CONTAMINATION AVOIDANCE	270,105	289,105	294,305	289,805
Chem-Bio Shelters (Retrofit Kits) (Note: Transferred to line 70)		+19,000		
JCAD Cancellation			-10,000	-10,000
Contamination Avoidance Equipment			+1,000	+1,000
M-22 Automatic Chemical Agent Alarm (ACADA)			+15,000	+10,500
WMD-CST Equipment			+18,200	+18,200
999 CLASSIFIED PROGRAMS	545,392	600,392	559,904	586,206
		+55,000	+14,512	+40,814

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C-130 DIRECTIONAL INFRARED COUNTERMEASURES (DIRCM)

The conferees agree to provide \$14,400,000 for the Special Operations Command C-130 DIRCM program. The conferees are aware of the mean time between failure issues associated with this equipment and are sensitive to the Command's operational requirements and as such direct that the funds provided may be only used for costs associated with refurbishment.

SPECIAL OPERATIONS COMMAND PUBLICATION COSTS

The conferees are concerned about the costs charged to Special Operations Command (SOCOM) for publications. The conferees find the publication costs associated with the MH-60 Service Life Extension Program (SLEP) particularly excessive and recommend a reduction of \$5,000,000 to the budget request. The conferees direct the Command to initiate a review of the publication costs associated with its major acquisition programs and provide a report to the congressional defense committees by February 1, 2005 on actions taken to address this problem.

NATIONAL GUARD AND RESERVE EQUIPMENT

The conference agreement on items addressed by either the House or the Senate is

as follows:

	Budget	(In thousands of dollars)		
		House	Senate	Conference

NATIONAL GUARD & RESERVE EQUIPMENT				
RESERVE EQUIPMENT				
ARMY RESERVE				
MISCELLANEOUS EQUIPMENT.....	---	---	50,000	40,000
NAVY RESERVE				
MISCELLANEOUS EQUIPMENT.....	---	---	50,000	40,000
MARINE CORPS RESERVE				
MISCELLANEOUS EQUIPMENT.....	---	---	50,000	40,000
AIR FORCE RESERVE				
MISCELLANEOUS EQUIPMENT.....	---	---	50,000	40,000

TOTAL, RESERVE EQUIPMENT.....	---	---	200,000	160,000
NATIONAL GUARD EQUIPMENT				
ARMY NATIONAL GUARD				
MISCELLANEOUS EQUIPMENT.....	---	---	150,000	95,000
AIR NATIONAL GUARD				
MISCELLANEOUS EQUIPMENT.....	---	---	150,000	95,000

TOTAL, NATIONAL GUARD EQUIPMENT.....	---	---	300,000	190,000

TOTAL, NATIONAL GUARD & RESERVE EQUIPMENT.....	---	---	500,000	350,000

ITEMS OF SPECIAL INTEREST

The conferees agree that the National Guard and Reserve equipment program shall be executed by the heads of the Guard and Reserve components with priority consideration for miscellaneous equipment appropriations given to the following items: COTS Surveillance System, MTRV, Virtual Emergency Response Training System, HMMWV Convoy/Trainer, Tactical Fire Fighting Equipment, High Mobility Multipurpose Wheeled Vehicle (HMMWV), Army M249 5.56 Squad Automatic Weapon, National Guard- Paul Revere Command Information System, Life Support for Trauma and Transport (LSTAT), M-COFT XXI Program, AB-FIST Non-Systems Training Devices, Army Live Fire Ranges, Combat Arms Training System - Army National Guard, Calibration Sets Equipment Modernization, Mobile Operational Simulators (MOS), Modern Burner Unit, LITENING Targeting Pods, LAIRCM, SINCGARS, AN/PVS-14, UH-60L/M, HEMTT, Small Arms, Javelin, AN/PAS-13, Movement Tracking System, EPLRS, Shortstop, TUAV, Prophet, C-130G2 APN-241 Radar, F-15 JHMCS, JSTARS AMSTE, F-16 APG-68(V)9, F-16 Color

Displays, A-10 TDL, HH-60 TDL, Para rescue TDL, C/EC-130 TDL, HH-60G 200 Gallon Internal Fuel Tank, HH-60G PNVG, F-15E Engine Kits, FMTV, Eagle Vision, Abrams M1A1 Fleet Embedded Diagnostics, Combo PAK, DFIRST, F-16 Block 30 MTC, and HCLOS, CSAR AR Blackhawk Equipment, Engagement Skills Trainer, M762A1/M767A1 Fuse Artillery Electronic Timer, XM879E1 81mm Mortar Full Training Cartridge, XM932 120mm Mortar Short Range Practice Cartridge, XM931 120mm Mortar Full Range Training Round, M933 120mm Mortar (HE), M-22 ACADA, PVS-14 Night Vision Goggles, Joint Threat Emitter, HH-60L Helicopter, Laser Marksmanship Training System, PRC-150D Radio, Tabletop Gunnery Trainer, Tabletop Full-fidelity Trainer, DFIRST, C-27J Medium Tactical Cargo Aircraft, Digital Deployable Training Campus, SINCGARS Radio SAASM Upgrade, ARNG Tactical Bridge Companies, UH-60 SAR Thermal Imaging Upgrades, and Sniper Advanced Targeting Pod.

DEFENSE PRODUCTION ACT PURCHASES

Defense Production Act Purchases

The conferees agree to provide a total of \$42,765,000 for the Defense Production Act Purchases appropriation instead of \$27,015,000 as proposed by the House and \$42,515,000 as proposed by the Senate.

The conference agreement on items addressed by either the House or the Senate is as follows:

Explanation of Project Level Adjustments

(In thousands of dollars)

	Budget Request	House	Senate	Conference
	9,015	27,015	42,515	42,765
Photomask		+2,000		+1,700
Thermal battery industrial base infrastructure		+2,000		+1,700
Military lens system fabrication and assembly		+2,000		+1,700
Beryllium supply industrial base		+4,000	+3,000	+3,000
Production capacity of T/R modules for radar systems		+2,000		+1,000
Flexible aerogel material supplier initiative		+2,000	+7,000	+3,500
Read-out Integrated Circuit Manufacturing Improvement		+4,000		+4,000
Affordable rigid rod polymeric materials initiative			+12,000	+8,400
POSS nanotechnology engineering scale-up initiative			+1,000	+1,000
Miniature compressor for electronics and personal computing			+5,000	+3,750
Carbon foam			+500	+500
Hydrogen ion implementation equipment			+5,000	+3,500

TITLE IV—RESEARCH, DEVELOPMENT, TEST AND EVALUATION

The conference agreement on items addressed by either the House or the Senate is as follows:

	Budget	(In thousands of dollars)		
		House	Senate	Conference

RECAPITULATION				
Research, Development, Test and Evaluation, Army	9,266,258	10,220,123	10,308,804	10,698,989
Research, Development, Test and Evaluation, Navy.....	16,346,391	16,532,361	16,748,035	17,043,812
Research, Development, Test and Evaluation, Air Force.	21,114,667	21,033,622	21,002,308	20,890,922
Research, Development, Test and Evaluation, Defense-Wide.....	20,739,837	20,851,271	20,404,563	20,983,624
Operational Test and Evaluation, Defense.....	305,135	309,135	305,135	314,835
GRAND TOTAL.....	67,772,288	68,946,512	68,768,845	69,932,182

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CONGRESSIONAL SPECIAL INTEREST ITEMS

Items for which additional funds have been provided as shown in the project level tables or in paragraphs using the phrase “only for” or “only to” in this report are congressional interest items for the purpose of the Base for Reprogramming (DD 1414). Each of these items must be carried on the DD Form 1414 at the stated amount, or a revised amount if changed during conference or if otherwise specifically addressed in the conference report. These items remain special interest items whether or not they are repeated in a subsequent conference report.

F-35 Program Management

In lieu of the direction provided by the House or the Senate, the conferees direct the Secretary of Defense to review current management oversight of the Joint Strike Fighter, and to report findings and recommendations to the congressional defense committees not later than December 15, 2004.

AIR FORCE AND DARPA FALCON/COMMON AERO VEHICLE PROGRAM

The conferees agree to provide \$29,110,000 for the Air Force and DARPA FALCON/Common Aero Vehicle (CAV) programs. The conferees are concerned that safeguards are not in place to guarantee that nations possessing nuclear weapons capabilities would not misinterpret the intent or use of the FALCON/CAV programs. Therefore, the funds provided herein are for the development of hypersonic technologies for non-weapons related research, such as micro-satellite or other satellite launch requirements and other purposes as listed under the conferees recommendations. The conferees direct that none of the funds provided in this Act may be used to develop, integrate, or test a CAV variant that includes any nuclear or conventional weapon. The conferees further direct that none of the funds provided in this Act may be used to develop, integrate, or test a CAV for launch on any Intercontinental Ballistic Missile or Submarine Launched Ballistic Missile. The Committees on Appropriations will consider expanding the scope of this program in subsequent years if safeguards negotiated among our international partners have been put in place.

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RESEARCH, DEVELOPMENT, TEST AND EVALUATION, ARMY

The conference agreement on items addressed by either the House or the Senate is

as follows:

	(In thousands of dollars)			
	Budget	House	Senate	Conference

RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY				
BASIC RESEARCH				
IN-HOUSE LABORATORY INDEPENDENT RESEARCH.....	23,971	23,971	23,971	23,971
DEFENSE RESEARCH SCIENCES.....	131,206	163,706	163,806	168,906
UNIVERSITY RESEARCH INITIATIVES.....	75,133	80,633	80,533	87,633
UNIVERSITY AND INDUSTRY RESEARCH CENTERS.....	77,658	95,158	100,734	104,434
FORCE HEALTH PROTECTION.....	9,538	21,538	10,538	23,288
TOTAL, BASIC RESEARCH.....	317,506	385,006	379,582	408,232
APPLIED RESEARCH				
MATERIALS TECHNOLOGY.....	15,385	34,385	51,885	52,685
SENSORS AND ELECTRONIC SURVIVABILITY.....	25,629	33,629	38,129	39,579
TRACTOR HIP.....	6,627	6,627	6,627	6,627
AVIATION TECHNOLOGY.....	41,629	49,029	46,629	49,179
EW TECHNOLOGY.....	18,034	18,034	19,534	20,234
MISSILE TECHNOLOGY.....	51,993	55,793	107,293	85,943
ADVANCED WEAPONS TECHNOLOGY.....	16,641	27,641	23,641	26,391
ADVANCED CONCEPTS AND SIMULATION.....	15,041	15,041	26,841	23,641
COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY.....	69,638	106,138	103,138	118,338
BALLISTICS TECHNOLOGY.....	51,301	54,801	54,101	56,601
CHEMICAL, SMOKE AND EQUIPMENT DEFEATING TECHNOLOGY....	3,476	4,976	10,576	8,076
JOINT SERVICE SMALL ARMS PROGRAM.....	5,739	16,239	5,739	11,739
WEAPONS AND MUNITIONS TECHNOLOGY.....	44,666	99,066	71,666	106,616
ELECTRONICS AND ELECTRONIC DEVICES.....	41,236	92,286	88,536	106,666
NIGHT VISION TECHNOLOGY.....	22,617	29,617	22,617	27,117

		(In thousands of dollars)		
	Budget	House	Senate	Conference
COUNTERMINE SYSTEMS.....	20,547	28,547	24,547	27,347
HUMAN FACTORS ENGINEERING TECHNOLOGY.....	16,899	22,399	16,899	21,099
ENVIRONMENTAL QUALITY TECHNOLOGY.....	17,026	17,026	24,526	23,126
COMMAND, CONTROL, COMMUNICATIONS TECHNOLOGY.....	18,604	33,104	20,604	28,104
COMPUTER AND SOFTWARE TECHNOLOGY.....	3,982	3,982	3,982	3,982
MILITARY ENGINEERING TECHNOLOGY.....	47,152	49,152	53,152	53,552
MANPOWER/PERSONNEL/TRAINING TECHNOLOGY.....	15,322	15,322	16,322	15,322
LOGISTICS TECHNOLOGY.....	21,131	38,131	58,531	55,971
MEDICAL TECHNOLOGY.....	60,877	162,877	117,377	189,727
TOTAL, APPLIED RESEARCH.....	651,192	1,013,842	1,012,892	1,157,662
ADVANCED TECHNOLOGY DEVELOPMENT				
WARFIGHTER ADVANCED TECHNOLOGY.....	68,034	85,534	59,534	80,784
MEDICAL ADVANCED TECHNOLOGY.....	38,404	271,704	164,404	312,404
AVIATION ADVANCED TECHNOLOGY.....	69,549	86,549	102,749	100,249
WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY.....	67,622	83,122	79,122	87,172
COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOGY.....	203,126	266,126	263,326	291,026
COMMAND, CONTROL, COMMUNICATIONS ADVANCED TECHNOLOGY..	9,946	9,946	9,946	9,946
MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY..	7,288	8,288	8,788	8,288
ELECTRONIC WARFARE ADVANCED TECHNOLOGY	41,760	56,760	68,760	60,360
TRACTOR HIKE.....	8,035	8,035	8,035	8,035
NEXT GENERATION TRAINING & SIMULATION SYSTEMS.....	18,072	21,072	30,072	28,072
TRACTOR ROSE.....	4,736	4,736	4,736	4,736
EXPLOSIVES DEMILITARIZATION TECHNOLOGY.....	9,706	13,706	21,106	19,206
MILITARY HIV RESEARCH.....	6,641	16,641	6,641	14,141
COMBATING TERRORISM, TECHNOLOGY DEVELOPMENT.....	3,383	8,383	9,583	8,383
GLOBAL SURVEILLANCE/AIR DEFENSE/PRECISION STRIKE TECHN	10,721	10,721	10,721	10,721
EW TECHNOLOGY.....	9,382	22,882	16,382	22,182
MISSILE AND ROCKET ADVANCED TECHNOLOGY.....	92,800	106,800	118,300	120,300
TRACTOR CAGE.....	13,312	13,312	13,312	13,312
LANDMINE WARFARE AND BARRIER ADVANCED TECHNOLOGY.....	25,577	31,577	32,577	34,977

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		(In thousands of dollars)		
	Budget	House	Senate	Conference
JOINT SERVICE SMALL ARMS PROGRAM.....	5,968	5,968	11,868	10,068
NIGHT VISION ADVANCED TECHNOLOGY.....	50,071	100,071	88,371	106,421
ENVIRONMENTAL QUALITY TECHNOLOGY DEMONSTRATIONS.....	14,666	19,166	14,666	18,716
MILITARY ENGINEERING ADVANCED TECHNOLOGY.....	3,865	10,365	27,065	26,765
ADVANCED TACTICAL COMPUTER SCIENCE & SENSOR TECHNOLOGY	31,951	55,451	31,951	48,051
TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT.....	814,615	1,316,915	1,202,015	1,444,315
DEMONSTRATION & VALIDATION				
ARMY MISSILE DEFENSE SYSTEMS INTEGRATION.....	53,509	89,509	116,909	117,009
ARMY MISSILE DEFENSE SYSTEMS INTEGRATION (DEM/VAL)....	4,871	6,871	35,971	33,471
AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING.....	91,713	106,713	122,713	116,313
LANDMINE WARFARE AND BARRIER - ADV DEV.....	11,634	11,634	18,634	16,534
SMOKE, OBSCURANT AND TARGET DEFEATING SYS-ADV DEV.....	6,249	6,249	11,249	9,749
TANK AND MEDIUM CALIBER AMMUNITION.....	39,697	50,197	9,697	27,847
ADVANCED TANK ARMAMENT SYSTEM (ATAS).....	51,892	51,892	51,892	51,892
SOLDIER SUPPORT AND SURVIVABILITY.....	13,810	13,810	13,810	13,810
TACTICAL ELECTRONIC SURVEILLANCE SYSTEM - ADV DEV.....	15,441	15,441	15,441	15,441
NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT.....	14,047	14,047	19,047	17,797
ENVIRONMENTAL QUALITY TECHNOLOGY.....	9,356	43,856	24,356	43,456
WARFIGHTER INFORMATION NETWORK-TACTICAL (DEM/VAL).....	99,645	99,645	99,645	99,645
NATO RESEARCH AND DEVELOPMENT.....	4,801	4,801	4,801	4,801
AVIATION - ADV DEV.....	12,113	14,113	18,613	16,713
WEAPONS AND MUNITIONS - ADV DEV.....	2,382	2,382	2,382	8,682
LOGISTICS AND ENGINEER EQUIPMENT - ADV DEV.....	10,485	12,485	16,485	16,685
COMBAT SERVICE SUPPORT CONTROL SYSTEM EVALUATION.....	6,366	6,366	6,366	6,366
MEDICAL SYSTEMS - ADV DEV.....	10,258	13,258	22,758	21,058
INTEGRATED BROADCAST SERVICE (JMIP/DISTP).....	4,356	4,356	4,356	4,356
SCAMP BLOCK II (DEM/VAL).....	10,221	10,221	10,221	10,221
MEDIUM EXTENDED AIR DEFENSE SYSTEM (MEADS) CONCEPTS...	264,527	264,527	264,527	264,527
TOTAL, DEMONSTRATION & VALIDATION.....	737,373	842,373	889,873	916,373

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		(In thousands of dollars)		
	Budget	House	Senate	Conference
ENGINEERING & MANUFACTURING DEVELOPMENT				
AIRCRAFT AVIONICS.....	68,857	68,857	80,827	82,827
ARMED, DEPLOYABLE OH-58D.....	20,000	20,000	15,000	15,000
EW DEVELOPMENT.....	16,879	16,879	16,879	16,879
JOINT TACTICAL RADIO.....	121,400	121,400	121,400	122,400
ALL SOURCE ANALYSIS SYSTEM.....	5,346	7,346	5,346	6,646
TRACTOR CAGE.....	14,149	14,149	14,149	14,149
COMMON MISSILE.....	152,381	102,381	152,381	117,381
INFANTRY SUPPORT WEAPONS.....	28,187	30,687	38,187	35,187
MEDIUM TACTICAL VEHICLES.....	2,854	12,554	5,854	14,654
SMOKE, OBSCURANT AND TARGET DEFEATING SYS-ENG DEV.....	3,798	3,798	3,798	3,798
JAVELIN.....	944	944	944	944
FAMILY OF HEAVY TACTICAL VEHICLES.....	2,479	5,479	27,479	20,479
AIR TRAFFIC CONTROL.....	2,088	2,088	2,088	2,088
LIGHT TACTICAL WHEELED VEHICLES.....	---	12,500	10,000	10,000
ARMORED SYSTEMS MODERNIZATION (ASM)-ENG DEV.....	2,700,455	2,376,010	2,127,018	2,374,010
NLOS-LS.....	---	---	64,500	58,200
NON-LINE OF SIGHT CANNON.....	497,643	497,643	841,580	497,643
NIGHT VISION SYSTEMS - ENG DEV.....	24,693	27,693	24,693	27,243
COMBAT FEEDING, CLOTHING, AND EQUIPMENT.....	115,093	99,093	115,093	102,893
NON-SYSTEM TRAINING DEVICES - ENG DEV.....	51,694	51,694	51,694	51,694
TERRAIN INFORMATION - ENG DEV.....	3,199	3,199	3,199	3,199
INTEGRATED METEOROLOGICAL SUPPORT SYSTEM.....	2,485	2,485	2,485	2,485
AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE -ENG DEV	27,376	27,376	27,376	27,376
CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT.....	42,869	42,869	42,869	42,869
AUTOMATIC TEST EQUIPMENT DEVELOPMENT.....	4,713	7,713	7,213	9,113
DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS) -ENGINEER..	26,985	30,485	26,985	29,985
TACTICAL SURVEILLANCE SYSTEMS - ENG DEV.....	21,821	21,821	21,821	21,821
ARMY TACTICAL MISSILE SYSTEM (ATACMS).....	21	21	---	1,821
BRILLIANT ANTI-ARMOR SUBMUNITION (BAT).....	---	---	2,521	---

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	Budget	(In thousands of dollars)		
		House	Senate	Conference
POSITIONING SYSTEMS DEVELOPMENT (SPACE).....	2,048	2,048	2,048	2,048
COMBINED ARMS TACTICAL TRAINER (CATT) CORE.....	23,849	19,109	23,849	19,109
JOINT NETWORK MANAGEMENT SYSTEM.....	10,726	10,726	10,726	10,726
AVIATION - ENG DEV.....	2,378	2,378	3,378	3,378
WEAPONS AND MUNITIONS - ENG DEV.....	125,885	159,385	149,885	161,085
LOGISTICS AND ENGINEER EQUIPMENT - ENG DEV.....	89,151	165,051	96,151	94,451
COMMAND, CONTROL, COMMUNICATIONS SYSTEMS - ENG DEV....	219,790	219,790	227,790	227,790
MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT	11,727	14,227	15,727	20,127
LANDMINE WARFARE/BARRIER - ENG DEV.....	51,045	61,045	51,045	59,545
ARTILLERY MUNITIONS - EMD.....	133,297	142,297	133,297	139,197
COMBAT IDENTIFICATION.....	6,994	6,994	14,994	12,594
ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE...	68,110	68,110	68,110	68,110
LOSAT.....	22,628	22,628	22,628	22,628
RADAR DEVELOPMENT.....	6,107	6,107	6,107	6,107
FIREFINDER.....	18,516	20,016	24,516	22,716
ARTILLERY SYSTEMS - EMD.....	9,550	12,550	12,550	12,550
PATRIOT PAC-3 THEATER MISSILE DEFENSE ACQUISITION.....	64,178	64,178	64,178	64,178
INFORMATION TECHNOLOGY DEVELOPMENT.....	95,261	102,261	95,261	99,811
TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT.....	4,919,649	4,706,064	4,875,619	4,758,934
RDT&E MANAGEMENT SUPPORT				
THREAT SIMULATOR DEVELOPMENT.....	22,101	25,101	31,701	30,701
TARGET SYSTEMS DEVELOPMENT.....	11,017	15,017	11,017	13,817
MAJOR T&E INVESTMENT.....	57,987	60,987	57,987	61,487
RAND ARROYO CENTER.....	20,012	20,012	24,012	22,812
ARMY KWAJALEIN ATOLL.....	143,921	146,421	143,921	145,721
CONCEPTS EXPERIMENTATION PROGRAM.....	22,727	23,727	24,727	25,227
ARMY TEST RANGES AND FACILITIES.....	181,114	181,114	201,114	197,114
ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS.....	52,433	57,433	61,933	62,683
SURVIVABILITY/LETHALITY ANALYSIS.....	44,648	44,648	50,648	48,848

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		(In thousands of dollars)		
	Budget	House	Senate	Conference
DOD HIGH ENERGY LASER TEST FACILITY.....	15,725	15,725	15,725	15,725
AIRCRAFT CERTIFICATION.....	3,485	3,485	3,485	3,485
METEOROLOGICAL SUPPORT TO RDT&E ACTIVITIES.....	8,711	8,711	8,711	8,711
MATERIEL SYSTEMS ANALYSIS.....	18,000	18,000	18,000	18,000
EXPLOITATION OF FOREIGN ITEMS.....	4,740	4,740	4,740	4,740
SUPPORT OF OPERATIONAL TESTING.....	71,239	72,239	71,239	72,239
ARMY EVALUATION CENTER.....	62,209	62,209	62,209	62,209
SIMULATION & MODELING FOR ACQ, RQTS, & TNG (SMART)....	1,935	1,935	1,935	1,935
PROGRAMWIDE ACTIVITIES.....	59,368	59,368	59,368	59,368
TECHNICAL INFORMATION ACTIVITIES.....	27,713	27,713	30,713	29,213
MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY...	14,611	36,611	36,111	39,811
ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT.....	4,527	4,527	4,527	4,527
MANAGEMENT HEADQUARTERS (RESEARCH AND DEVELOPMENT)....	11,575	11,575	11,575	11,575
TOTAL, RDT&E MANAGEMENT SUPPORT.....	859,798	901,298	935,398	939,948
OPERATIONAL SYSTEMS DEVELOPMENT				
MLRS PRODUCT IMPROVEMENT PROGRAM.....	97,422	112,422	97,422	110,172
AEROSTAT JOINT PROJECT OFFICE.....	81,514	84,514	81,514	83,014
DOMESTIC PREPAREDNESS AGAINST WEAPONS OF MASS DESTRUCT	---	1,000	5,000	---
ADV FIELD ARTILLERY TACTICAL DATA SYSTEM.....	17,994	17,994	17,994	17,994
COMBAT VEHICLE IMPROVEMENT PROGRAMS.....	15,952	23,952	15,952	17,952
MANEUVER CONTROL SYSTEM.....	24,753	24,753	24,753	24,753
AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS...	242,853	253,853	222,853	250,053
AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM.....	2,427	2,427	12,427	7,427
DIGITIZATION.....	24,506	24,506	24,506	26,506
FORCE XXI BATTLE COMMAND, BRIGADE AND BELOW (FBCB2)...	23,510	23,510	23,510	23,510
MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM.....	31,690	31,690	31,690	33,690
OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS.....	4,863	4,863	4,863	4,863
TRACTOR RUT.....	3,321	3,321	3,321	3,321
TRACTOR CARD.....	9,023	9,023	9,023	9,023
JOINT TACTICAL COMMUNICATIONS PROGRAM (TRI-TAC).....	18,177	18,177	18,177	18,177

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		(In thousands of dollars)		
	Budget	House	Senate	Conference
JOINT TACTICAL GROUND SYSTEM.....	9,967	9,967	9,967	9,967
SECURITY AND INTELLIGENCE ACTIVITIES.....	---	14,000	4,000	14,600
INFORMATION SYSTEMS SECURITY PROGRAM.....	24,725	24,725	30,725	29,825
GLOBAL COMBAT SUPPORT SYSTEM.....	94,215	94,215	94,215	94,215
SATCOM GROUND ENVIRONMENT (SPACE).....	51,959	54,959	51,959	54,059
WWMCCS/GLOBAL COMMAND AND CONTROL SYSTEM.....	19,204	19,204	19,204	19,204
TACTICAL UNMANNED AERIAL VEHICLES.....	45,627	48,627	55,127	54,377
AIRBORNE RECONNAISSANCE SYSTEMS.....	5,128	5,128	11,328	8,228
DISTRIBUTED COMMON GROUND SYSTEMS.....	43,254	55,254	50,254	54,904
AVIONICS COMPONENT IMPROVEMENT PROGRAM.....	997	997	997	997
END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES.....	67,236	83,236	86,836	91,886
NATO JOINT STARS.....	595	595	595	595
DEFENSE LANGUAGE INSTITUTE FOREIGN LEARNING CENTER....	---	2,500	---	5,000
TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT.....	960,912	1,049,412	1,008,212	1,068,312
CLASSIFIED PROGRAMS.....	5,213	5,213	5,213	5,213
TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY.....	9,266,258	10,220,123	10,308,804	10,698,989

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EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[in thousands of dollars]

R-1	Budget Request	House	Senate	Conference
2 DEFENSE RESEARCH SCIENCES	131,206	163,706	163,806	168,906
Advanced Carbon Nanotechnology Program		+4,000		+2,000
Advanced Deployable Nano-Sensors			+1,000	+1,000
Advanced Research and Technology Initiative			+4,000	+2,800
Army Knowledge Management Fusion Center		+3,000	+1,000	+1,500
Bioterrorists Agents in Military Drinking Water Systems			+1,000	+1,000
Brain Imaging research			+5,600	+3,900
Center for Advanced Research and Technology (CART)		+4,000		+2,000
(Note: only to continue Nanometrology Laboratory development to maximize the effectiveness of a high-resolution analytical transmission electron microscope)				
Desert Terrain Analysis for Enhancing Military Operations			+4,000	+3,000
Functionally Integrated Reactive Surface Technology Program (FIRST) Program		+3,000	+1,000	+1,800
Low Temperature Research (Note: transferred to RDTE,A line 3)			+2,000	0
National Prion Research Program (NPRP) (Note: transferred to DHP title VI)		+1,500		0
Optical Technologies Research			+3,000	+2,100
Perpetually Assailable and Secure Information Systems Research, Training and Education (PASIS)		+15,000	+1,000	+10,000
Prediction of Land-Atmosphere Interactions			+2,000	+1,400
Prometheus Spectrometer			+7,000	+3,500
Technology Commercialization and Management Network (Note: only for the development of an integrated technology transfer network and service management center at CSUSB)		+2,000		+1,700
3 UNIVERSITY RESEARCH INITIATIVES	75,133	80,633	80,533	87,633
Low Temperature Research Center		+2,500		+2,000
Institute of Bioengineering and Nanoscience in Advanced Medicine		+2,000		+1,000
Desert Environmental Research (Note: only for the University-based GIS program using sensor technology, long distance sampling, special analysis techniques to monitor desert tortoise populations related to the expansion for NTC Ft. Irwin and coursework development for environmental security)		+1,000		+1,000
Army force protection			+3,000	+1,500
Laboratory for Engineered Human Protection				+1,000
MEMS Sensors for Rolling Element Bearing (Note: transferred from RDTE,D-W line 3)				+1,000
Smart Responsive Nanocomposite Systems (Note: transferred from RDTE,D-W line 3)				+2,000
Cognitive Wireless Networks (Note: transferred from RDTE,D-W line 3)				+1,000
Global Infrasound Monitoring of the Atmosphere (Note: transferred to RDTE,A line 55)				0
Bioinformatics research (Note: transferred from RDTE,DW line 15)			+2,400	+2,000

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R-1	Budget Request	House	Senate	Conference
4 UNIVERSITY AND INDUSTRY RESEARCH CENTERS	77,658	95,158	100,734	104,434
Basic Research for Infrastructure Protection From Terrorists Attacks		+2,000		+1,000
Center for Advanced Sensors		+3,000		+1,500
Center for Ferroelectric Electronic-Photonic Nanodevices		+2,000	+3,000	+2,000
Center for Nano-Materials Research		+1,500		+1,000
Center of Excellence--HBCU/MI		+3,000		+2,250
Composite Materials research			+826	+826
Electronic Engineering Technology Program		+1,000		+1,000
Eye and Sensor Protection Against Laser Sources		+2,000		+1,000
Info Assurance Research			+1,500	+1,200
Interactive Training tools to promote emergency procedures in high-rise buildings and mitigate disasters from attacks, fires, or other threats		+1,000		+1,000
Nanotubes		+1,000		+1,000
National Infotonics research			+5,000	+2,500
National Security Network Testbed				+1,000
Next Generation Joining Technology Research Initiative			+2,000	+1,500
NOLES Composite Materials			+3,000	+1,500
Partnership for a Next Generation of Vehicles/TACOM			+1,000	+1,000
Rapidly Deployable Visualization for Training and Simulation in Urban Terrains		+1,000	+1,000	+1,000
Small Trailer Corrosion Prevention Program			+750	+750
University Based Automotive Research			+5,000	+3,750
5 FORCE HEALTH PROTECTION	9,538	21,538	10,538	23,288
Biomedical Engineering Initiative		+3,000		+1,500
ALS Therapy Development for Gulf War Research		+4,000		+2,000
Extramural Gulf War Illness Research on Chronic Physiological Brain Effects (Low Level Chemical Exposure)				+5,000
Gulf War Illness and Chemical Agent Exposure Program			+1,000	+1,000
Rural Health Center for Remote and Medically Under-Served Areas		+5,000		+4,250
6 MATERIALS TECHNOLOGY	15,385	34,385	51,885	52,685
Advanced Materials for Mine Detection and Blast Mitigation			+5,000	+2,500
Advanced Materials Processing for Future Combat Systems			+7,000	+7,000
Ballistic Shields Program		+2,000		+1,000
Composite Materials Technology for FCS			+4,000	+2,000
Design and Manufacturing Process Technology for High Performance Polymer Nano-composites			+2,000	+1,300
Development of Manufacturing Science for Lightweight Ceramic Armor		+1,000		+1,000
Engineered Surfaces for Weapons Systems Life Extension			+4,000	+2,800
Future Affordable Multi-Utility (FAMU) Materials for the Army FCS			+2,500	+1,800
Future Affordable Multi-Utility Materials		+1,000		+1,000
Materials Joining for Army Weapons Systems			+4,000	+2,600
MEMS Sensors for Rolling Elements Bearings (Note: only for development of a one chip solution for the determination of temperature, vibration, strain, and angular rotation in a rolling element)		+2,000		+1,300
Micro-Laminate Ceramic Armor		+3,000		+2,600

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R-1	Budget Request	House	Senate	Conference
Molecular Design of Polymer Nanocomposites		+2,000		+1,200
On-Demand Micro-Electronics Manufacturing and Qualification			+4,000	+2,000
Precision Polishing of Large Optics (Note: only for the continued development of MRF and RAP finishing of large optics)		+4,000		+3,400
Tactical Armor Manufacturing Technology (Note: only for a materials processing technology program for a unique polycrystalline ceramic with superior armor and optics qualities compared to present state-of-the-art materials)		+2,000	+4,000	+2,800
Ultrasonic Consolidation of Metal Matrix Composites		+2,000		+1,000
7 SENSORS AND ELECTRONIC SURVIVABILITY	25,629	33,629	38,129	39,579
Disposable Sensors for Battlefield and Urban Warfare		+3,000		+1,500
Optical Combat Identification System prototype development and testing		+5,000		+5,000
Portable Chemical-Biological Agent Detection System			+3,500	+1,750
Digital Radio Frequency Tags (DRaFT)			+6,000	+4,200
Small Airship Surveillance System - Lite Remotely Piloted System			+3,000	+1,500
9 AVIATION TECHNOLOGY	41,629	49,029	46,629	49,179
Composite Small Main Rotor Blades		+1,000		+500
Center for Rotorcraft Innovation		+5,000		+2,500
Mono Tiltrotor/Army Rotorcraft		+1,400		+1,050
Xenon Light Source for Non-Lethal Deterrence from Small UAVs				+1,000
Silver Fox UAV			+5,000	+2,500
10 EW TECHNOLOGY	18,034	18,034	19,534	20,234
Biometric Signatures Research			+1,500	+1,200
Subterranean Target Identification Program (Note: transferred from general provision Sec. 8148)				+1,000
11 MISSILE TECHNOLOGY	51,993	55,793	107,293	85,943
National Aerospace Initiative		-8,700		-7,700
Agile MEMS/Nano-Technology for Wireless Security & Defense Applications		+1,000		+1,000
MARIAH II Hypersonic Wind Tunnel Development Program		+6,000	+15,000	+10,500
Microelectromechanical Systems (MEMS) and Nanotechnology		+5,500		+2,750
Army Flight Test			+2,000	+1,500
Unmanned Systems Initiative at AMRDEC			+10,000	+7,000
Hypersonic Army Missile Technology			+21,300	+15,000
Maneuver Air Defense System (MADS)			+2,000	+1,400
LENS X Hypervelocity Ground Testing			+5,000	+2,500
12 ADVANCED WEAPONS TECHNOLOGY	16,641	27,641	23,641	26,391
Rapid Target Acquisition and Tracking System (RTATS)		+6,000	+7,000	+6,500
Army Missile and Space Technology Initiative		+5,000		+3,250
13 ADVANCED CONCEPTS AND SIMULATION	15,041	15,041	26,841	23,641
Joint Unmanned Systems Test and Research (JOUSTER)			+6,800	+5,100
University Photonics research			+5,000	+3,500

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R-1	Budget Request	House	Senate	Conference
14 COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY	69,638	106,138	103,138	118,338
Advanced Electric Drive			+3,000	+1,500
Advanced Energy and Manufacturing Technology			+3,000	+2,200
Advanced High Power Rechargeable Stored Energy Technology			+10,000	+7,500
Affordable, Low Temperature, High Performance Advanced Rechargeable Stored Energy Device Technologies for Future Army Combat Hybrid Electric Vehicles (Note: only to develop and demonstrate a modular hybrid electric vehicle power train using the lithium-ion batteries and ultracapacitors that use affordable, low temperature, high performance carbide, nitride, and metal alloy nanocomposite materials with the appropriate power electronics)		+2,000		+1,000
Advanced Vehicle Life Consumption and Maintenance Prognostics System				+1,000
Army Trailer Technology Insertion (TTI)		+3,000		+2,550
CALSTART Defense Advanced Transportation Technology Program		+2,000		+1,000
Compact Pulsed Power for Defense Applications		+1,000		+1,000
Distributed Transportable Synthetic Fuel Manufacturing Modules		+3,000		+1,500
Flexible JP-8 (Single Battlefield Fuel) Pilot Plant Program Phase III (Note: transferred from RDTE,DW line 41)			+6,000	+4,500
Future Hybrid Vehicle Systems		+3,000		+1,500
Light Utility Vehicle (Note: only to apply previous research in Light Utility Vehicle technology done for the National Automotive Center to designing a new Light Utility Vehicle (LUV))		+3,000		+2,250
Military Wheeled Vehicle Electronic Architecture Integration		+3,000		+2,600
Mobile Thermal Perimeter Surveillance System		+2,000		+1,000
Multipurpose Utility Vehicle - Reconfigurable			+2,000	+1,400
Nano-Engineered Materials for High Performance Armor		+5,000		+4,000
Nano-Engineered Multi-Functional Transparent Armor		+4,000		0
Rapid Prototyping			+2,000	+1,500
SmarTruck			+5,000	+4,300
Stoichiometric Explosive Detector System		+1,500		+1,000
The Center for Tribology and Coatings		+2,000		+1,500
Unmanned Vehicle Control Technologies			+2,500	+1,900
Unmanned Vehicles Surveillance and Sensor System		+1,000		+1,000
Wireless Sensors for Vehicle Maintenance		+1,000		+1,000
15 BALLISTICS TECHNOLOGY	51,301	54,801	54,101	56,601
Guardian Angel		+1,000		+1,000
Advanced Tungsten Penetrators and Ballistic Materials		+2,500		+2,200
Structural Reliability of Electronic Components for Munitions & Lt Wt Structures			+2,800	+2,100

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R-1	Budget Request	House	Senate	Conference
16 CHEMICAL, SMOKE AND EQUIPMENT DEFEATING TECHNOLOGY	3,476	4,976	10,576	8,076
Biotechnology Education Initiative		+1,500		+1,000
Rapid Response Deployable Vaporous Hydrogen Peroxide Bio-Chem (Note: transferred from RDTE,DW line 15)			+7,100	+3,600
17 JOINT SERVICE SMALL ARMS PROGRAM	5,739	16,239	5,739	11,739
New Metal Coating Technology for Greaseless Weapons		+5,500		+2,750
Anti-Material Sniper Rifle (AMSR) (Note: only to develop technologies to upgrade individual and crew-served weapons to create a smaller ground footprint and lighter weapons utilizing breech locking design, improved muzzle/break suppressor, sight saving mounting base, multi-functional rechargeable power source and a recoil absorption system)		+5,000		+3,250
18 WEAPONS AND MUNITIONS TECHNOLOGY	44,666	99,066	71,666	106,616
Acoustic Counter Battery System (ACBS)		+3,000		+2,600
Active Coating Technology			+4,000	+2,000
Active Coatings Technology		+3,000		+2,100
Advanced Integrated Digital Camera Rifle Scope (ADCRS)		+1,000		+1,000
Advanced Technology Lightweight Armament System-Rarefaction Wave Gun			+2,000	+1,000
Alloy Tungsten Armor Piercing Ammunition		+2,400		+2,100
Amorphous Metal Manufacturing Technology for Military Applications			+1,000	+1,000
Applied Research Integration		+2,500		+1,800
Applied Research Program for Advanced Materials and Processes for Armament Structures Program		+4,000		+4,000
Armament Systems Engineering and Integration Initiative (ASEI2)		+6,000		+4,200
Armaments Systems Info Assurance		+3,000		+2,100
Army Excellence in Acoustics research			+5,000	+3,500
Army Welding Deployment Initiative				+1,000
Deep Digger			+1,000	+1,000
Dynamic Pulse Detonation		+1,000		+1,000
Electroconversion of Energetic Materials			+5,000	+2,500
Generation 2 Warhead		+1,500		+1,100
Green Armaments Technology Initiative (GAT)		+4,000	+3,000	+3,500
Hazardous Materials Management and Technology Development		+1,000		+1,000
Integrated Emergency Operations Capabilities (IEOC) (Note: transferred from RDTE,A line 24)				+1,700
Less than Lethal and Layered Protection Systems		+3,000		+2,000
Micro-Laminate Ceramic Armor			+3,000	+1,800
Perimeter Defense Technologies		+3,000		+2,200
Polymer Cased Ammunition--5.56mm (Note: only to Support PEO Soldier requirements related to XM8 Light Weight Assault Weapon program)		+2,000		+1,000
RangeSafe Technology Demonstration Initiative		+3,000	+3,000	+3,000
Research Authority Active Coatings Technology (ACT) Program		+2,000		+1,000
Scram-jet Powered Munitions for Future Combat System		+1,000		+1,000
Seamless Data to Display		+5,000		+3,500

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R-1	Budget Request	House	Senate	Conference
System of Systems Security Integration Initiative (Note: only to support the integration of advanced communications and process technologies of the Southeastern United States into the Army ARDEC System of Systems Security (SOSSEC) Integration Initiative Program)				+4,000
Strategic Materials/Strategic Manufacturing Initiative (SM2i)		+3,000		+2,250
19 ELECTRONICS AND ELECTRONIC DEVICES	41,236	92,286	88,536	106,666
Advanced Power Component Technologies		+1,000		+1,000
Advanced High-Energy Rechargeable Lithium Air Battery				+2,000
Advanced Simplified Hybrid Fuel Cell/LiON Battery Program for the Objective Force Warrior		+1,000		+1,000
Battery Returns in Error Advanced Vehicle Battery Management Program (Phase II)			+1,000	+1,000
CFX Electrochemical Systems for Safe Soldier Power		+2,000		+1,000
Conformal Lithium Ion Polymer Belt Battery		+2,000		+1,000
Cylindrical Zinc Air Battery for Future Soldier Communication Systems			+1,000	+1,000
Direct Diode Electro-Optical Source			+7,800	+5,500
Dry Polymer Electrolyte Development for Safe Soldier		+3,800		+3,230
E-Beam Reticle and Lithography Inspection		+7,500		+6,400
Flexible Display Initiative: High performance displays for Military applications		+3,000	+8,000	+5,600
Flexible Polymer Multilaminate Packaging		+2,000	+2,000	+2,000
High Power Solid State Lasers			+1,000	+1,000
Integrated Methanol Fuel Cell/Reformer		+1,000		+1,000
JP-8 Solider Fuel Cell		+2,000		+1,000
Liquid Silicone Lithium Rechargeable Battery		+3,000		+1,500
Lithium Metal Air Battery		+750		+750
Low Cost Power Generation Platforms and Electric Power Control Hybrid Vehicles		+2,000		+1,700
Metal Oxide Cathode - 1.5 Volt Alkaline		+2,500	+1,000	+1,250
Nanofluidic Electronic Sensor Technologies for Defense Applications		+3,000		+1,500
Novel Zinc Air Power Sources for Military Applications		+1,000		+1,000
ONAMI Miniature Tactical Energy Systems Development			+5,000	+2,500
PEM Fuel Cell Quiet Tactical Generators			+1,000	+1,000
Portable Reforming on the Battlefield		+1,000		+1,000
Rapid recharge, lithium-ion battery pack			+3,000	+2,600
Rechargeable Cylindrical Cell Systems - Lithium Ion/Nickel Metal Hydride		+3,000	+1,000	+1,500
Ring Extruder		+5,000		+2,500
Software Defined Radio Communications Interoperability Initiative			+3,000	+1,500
Soldier Fuel Cell System		+1,500		+1,050
Soldier Portable Fuel Cell Power			+3,500	+2,450
State of Charge Battery Life Indicator		+1,000	+2,500	+1,600
Transcritical CO2 Environmental Control Unit			+5,500	+3,600
Universal Radio Frequency Identification (RFID) Monitoring Device			+1,000	+1,000
Weapons of Mass Destruction Marking Set		+2,000		+1,700

R-1	Budget Request	House	Senate	Conference
20 NIGHT VISION TECHNOLOGY	22,617	29,617	22,617	27,117
Miniaturized Sensors for Small and Tactical Unmanned Aerial Vehicles		+2,000		+1,000
Enhanced Micro-Image Display Technology				+1,000
Third Generation Focal Plane Array (FPA) for Army Target Acquisition		+5,000		+2,500
21 COUNTERMINE SYSTEMS	20,547	28,547	24,547	27,347
Acoustic Technology for Landmine Detection		+4,000		+2,800
Polymer Based Landmine Detection		+4,000	+4,000	+4,000
22 HUMAN FACTORS ENGINEERING TECHNOLOGY	16,899	22,399	16,899	21,099
MANPRINT		+5,500		+4,200
23 ENVIRONMENTAL QUALITY TECHNOLOGY	17,026	17,026	24,526	23,126
Hawthorne Army Depot			+6,000	+5,000
Biological/Chemical Materials Environmental Modeling			+1,500	+1,100
24 COMMAND, CONTROL, COMMUNICATIONS TECHNOLOGY	18,604	33,104	20,604	28,104
Portable Flexible Communication Display Device		+3,000	+2,000	+2,000
Enhanced Wireless Digital Communications for Urban First Responders		+7,000		+6,000
Integrated Emergency Operations Capabilities (IEOC) (Note: transferred to RDTE,A line 18)		+2,000		0
All Digital Transceiver (ADT) Development		+2,500		+1,500
26 MILITARY ENGINEERING TECHNOLOGY	47,152	49,152	53,152	53,552
Distribute Transportable Synthetic Fuel Manufacturing Modules		+1,000		+1,000
Modeling and Analysis of the Response of Structures		+1,000		+1,000
University Partnership for Operational Support			+3,000	+2,600
Geosciences/Atmospheric Research			+3,000	+1,800
27 MANPOWER/PERSONNEL/TRAINING TECHNOLOGY	15,322	15,322	16,322	15,322
Dermal phase meter (Note: transferred to RDTE,A line 29)			+1,000	0
28 LOGISTICS TECHNOLOGY	21,131	38,131	58,531	55,971
Advanced Antimicrobial Technology		+3,000		+1,500
Aviation Inflatable Maintenance Shelter (AIMS) Test and Evaluation		+2,000		+1,700
Field Evaluation and Manufacturing Improvements on Flexible Monolithically Integrated Solar Panels		+2,000		+1,000
Flexible Monolithically Integrated Solar Panels on a Polymer Substrate			+3,200	+2,240
Improved Shelf-Life in fresh fruits and vegetables			+5,000	+3,250
Integrated, Unbreakable, Flexible Visible and Infrared Lighting Surfaces			+3,500	+2,500
Mobile Hydrogen Infrastructure (MHI) (Note: transferred to RDTE,A line 34)		+4,000		0
NBC Integrated Protection Membrane-Shelters (NBCIPM-S)			+4,500	+3,900
Next Generation Chemical/Biological Agent Protective Self-Decontaminating Selectively Permeable Membranes			+2,500	+1,250
Smart Apparel for Warriors			+3,500	+2,500
Soldier Systems Center		+2,000		+1,000
		+1,000		+1,000
Special Operations Precision Airdrop Technology		+1,000		+1,000

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R-1	Budget Request	House	Senate	Conference
Supplemental body armor research			+7,000	+5,300
US Army research on advanced structures and composites in construction		+2,000	+5,000	+4,500
Warfighter technology			+3,200	+2,200
29 MEDICAL TECHNOLOGY	60,877	162,877	117,377	189,727
Bioactive Products Program for Breast Cancer		+2,000		+1,000
Biomedical strategies for the prevention, treatment, assessment and predications of the health effects of ionizing radiation		+1,500		+1,000
Bone Health and Military Medical Readiness		+1,000		+1,000
Center for Advanced Surgical and Interventional Technology		+1,000		+1,000
Chitosan Hemorrhage Control Dressing		+2,000	+5,000	+3,500
Chronic Wounds (Non-Healing) Research (Note: transferred from DHP title VI)				+1,000
Clinical Trials using a Piezoelectric Dry Powder Inhalation Device		+4,000		+4,000
Collaborative Program in Rehabilitation and Engineering Research		+1,000		+1,000
Comprehensive Reproductive System Care Program (Note: only for the continued coordination between WRAMC, a rural non-profit medical research institute, and a non-profit medical foundation, to provide a program for reproductive systems risk assessment, diagnosis, treatment, and cutting-edge research. Transferred from DHP title VI.)				+11,900
Dermal phase meter (Note: transferred from RDTE,A line 27)				+1,000
Diabetes Research Project (Note: only for Type I Diabetes Research)		+7,000		+6,000
Diagnostics in Traumatic Brain Injury-Blood Based		+1,000		+3,000
Elgen Gene Delivery Technology		+2,000		+1,000
Enhanced Research in Trauma Prevention, Treatment and Rehabilitation		+4,000		+2,000
Gynecological Cancer Center (Note: transferred from DHP title VI)				+2,100
High-Speed MEMS Electromagnetic Cell Sorter		+3,000		+1,500
Improving Soldier Performance		+3,000		+1,800
Maternal-Fetal Health Informatics and Outreach Program		+2,000		+1,000
Medical Area Network for Virtual Technology (MANVT)		+6,000		+5,100
Molecular and Clinical-Based Comprehensive Cardiac Care (Integrative Cardiac Health Program) (Note: only for the continued coordination between WRAMC, a non-profit biomedical research institute, non-profit medical foundation, and a rural primary healthcare center)		+6,000		+5,100
Molecular Genetics and Musculoskeletal Research Program		+10,000		+11,500
Nanofabricated Bioartificial Kidney		+3,000		+1,950
Neutron Therapy		+900		+900
Non-Invasive Medical Sensors		+1,000		+1,000
Preventive Medicine Research Institute		+2,000		+1,500
Protein Hydrogel		+1,000		+1,000

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R-1	Budget Request	House	Senate	Conference
Synchrotron-Based Scanning Research (Note: \$6.5 million only to continue Synchrotron-Based technology enhancement for scanning of breast and lung cancer patients and diagnostic development to maximize Synchrotron-Based proton therapy and \$2 million for continued mass-casualty incident center demonstration)		+10,000		+8,500
Rapid Identification of Biological Agents		+1,300		+1,000
Sleep Deprivation Research at WRAMC (Note: only to continue existing program)		+5,000		+3,500
Spinal Muscular Atrophy Research Program		+3,000		+2,250
Targeted Nano-Therapeutics for Advanced Breast and Prostate Cancers		+1,000		+1,000
Texas Training and Technology for Trauma and Terrorism (T5)		+11,000	+11,000	+11,000
Tissue Replacement and Repair for Battlefield Injuries		+4,000	+4,000	+4,000
Transportable Pathogen Reduction & Blood Safety System		+2,000	+3,500	+2,000
Veterinary Manpower Development		+300		+300
Predictive Tools for Post-Traumatic Stress Disorder (PTSD)			+2,000	+1,000
USAMRIID Anthrax Research			+3,000	+2,250
National Behavioral Genomics Research (Note: transferred to line 31 RDTE,A)			+2,000	0
Combat Casualty Care for Battlefield Wounds			+4,000	+2,800
Reserve Component Medical Skills Readiness Training			+3,000	+1,500
Comprehensive Bioactive Products Program for Breast Cancer			+1,000	+1,000
Automated Medical Emergency Intravascular Access (AuthCath)			+2,000	+1,000
Shock Trauma Research			+3,000	+2,100
International Rehabilitation Network			+5,000	+5,000
Military Biomaterials Research (CEMBR)			+5,000	+2,500
Computational Proteomics			+3,000	+2,600
HSDI			+5,000	+4,300
Anti-Microbial Coatings for Medical Devices (Note: transferred from general provision)				+1,400
Authorized reduction			-5,000	-5,000
30 WARFIGHTER ADVANCED TECHNOLOGY	68,034	85,534	59,534	80,784
Common Navigation Interface Unit (CNIU) for Joint Precision Aerial Delivery System (JPADS)		+3,000		+2,600
Joint Precision Airdrop Systems (JPADS) - Rapid Fielding of 2K lb Resupply Requirements		+3,000		+1,500
Antimicrobial/Medical Base Layer Garment Technology		+1,000	+1,000	+1,000
Electro-Textiles		+500		+500
Ration Packaging Materials and Systems for Meals-Ready-to-Eat		+6,000	+2,000	+5,100
Multifunctional Protective Packaging Technology		+3,000	+1,500	+2,550
Integrated Headgear		+1,000		+1,000
Technology and Human Systems Integration Program			+2,000	+1,000
Small Business Development and Transition (Note: transferred from general provision)				+2,500
Land Warrior/Future Force Warrior consolidation			-15,000	-5,000

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R-1	Budget Request	House	Senate	Conference
31 MEDICAL ADVANCED TECHNOLOGY	38,404	271,704	164,404	312,404
Advance of Non-Invasive Glucose Monitoring		+1,000		+1,000
Advanced Image Processing Techniques for Biomedical Informatics		+1,000		+1,000
Advanced Proteomics		+3,000		+1,500
Advances in Breast Cancer Care Therapy		+1,500		+1,300
Alliance for Nanohealth (Note: transferred from DHP title VI)		+4,000		+2,800
Angiogenesis and Tissue Engineering Research				+1,000
Battlefield Respirator and Ventilator (BRAV)		+2,500		+1,900
Behavioral Genomics Sleep Apnea Research (Note: transferred from line 29 RDTE,A)		+1,000		+1,000
Biology, Education, Screening, Chemoprevention and Treatment (BESCT) Lung Cancer Research Program (MDACC)		+9,500		+9,500
Blood Safety and Decontamination Technology		+8,000		+4,800
Brain, Biology and Machine		+2,000	+6,000	+3,000
Cancer Vaccine (Note: only for continued development of molecular switching vaccines using genetically modified <i>Listeria</i> for cancer, infectious disease and bio-defense)		+4,000		+3,400
Center for Integration of Medicine and Innovative Technology		+13,000		+12,000
Center for Proteomics and Nanotechnologies		+5,000		+4,300
Collaborative in Advanced Emergency Medical Response with the Army Guard (Note: transferred from RDTE,DW line 15)		+2,500		+2,500
Compact, Lightweight, Full-featured Patient Monitor with Defibrillator		+3,000		+1,500
Comparative Functional Genomics and Computational Sequencing: Novel Genetic Targets		+4,000		+2,600
Diagnostic and Therapeutic cancer care equipment		+10,000		+7,500
Emergency Eye Care Program		+2,000		+1,000
Genomic Medicine Project and Gene Therapy (Note: only to continue the pilot clinical program targeted at cardiovascular disease and neurodegenerative disorders that gravely affect veterans)		+4,000	+2,500	+3,400
Gynecologic Disease Program (Note: only for the establishment of a public/private effort, in coordination with an appropriate non-profit medical foundation, to provide programs in gynecologic diseases that will facilitate the early detection, prevention, and treatment strategies)		+5,000		+4,300
Hands Free Electronic Health Record		+1,000		+1,000
Institute for Research and Education		+5,000		+3,750
Joint US-Norwegian Telemedicine Program		+2,500		+1,800
Joslin Diabetes		+5,000		+5,000
Mapping the Human Brain for Combat Trauma Research		+1,800		+1,800
Medical Enterprise Management for the US Army		+1,000		+1,000
Medical Training Technology Enhancement Initiative		+1,000		+1,000
MedVizer Secure Telemedicine Program				+1,000
Military Low Vision Research		+2,000	+4,000	+2,000
Military Surgeon Training Initiative		+1,000		+1,000
Minimally Invasive Approaches to Surgery		+3,000		+2,100
Minimally Invasive Surgery Modeling and Simulation		+1,500	+1,500	+1,500
National Functional Genomics Center		+11,000		+8,500
Neurofibromatosis Research Program (NF)		+25,000		+25,000
Neurology Gallo Center-Alcoholism Research		+5,000		+3,750

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R-1	Budget Request	House	Senate	Conference
Neurotoxin Exposure Treatment Research Program (NETRP) Parkinsons & neurological disorders		+26,000		+26,000
Operating Room of the Future		+4,000	+4,500	+4,000
Orphan Disease Drug Discovery Program		+2,000	+2,000	+2,000
Pain Management Initiative (Note: only for the public/private effort among DoD Medical Treatment Facilities, an appropriate not-for-profit medical foundation, and a rural primary health care center to provide a comprehensive program in pain management including treatment for acute pain using regional anesthesia techniques as well as a holistic approach to chronic pain)		+7,000		+6,000
Pediatric Brain Tumor and Neurological Disease Program		+3,000		+1,500
Picture Archiving and Communications System (PACS)		+2,000		+1,400
Plasma Sterilizer		+2,000		+1,400
Project Collaboration		+1,000		+1,000
Prostate Cancer Research-Gallo Center		+1,000		+1,000
PROPHET for Combat Casualty Care				+500
Proton Beam Therapy (Note: only to continue a civilian- military collaborative proton beam therapy initiative on the East Coast of the United States in conjunction with WRAMC to provide state-of-the-art radiation treatment as well as clinical and non-clinical research)		+12,000		+10,200
Rare Blood Program		+1,000		+1,000
SEAtreat		+3,500		+3,000
SuperQR Powder Development		+1,000		+1,000
Surgical Wound Disinfection and Biological Agents Decontamination Project		+2,000		+1,400
Technologies for Metabolic Monitoring		+3,000	+1,000	+2,600
Universal Medical and Surgical Product Catalog		+5,000		+2,500
Universal Vaccine Development for Bioterrorism		+2,000		+1,000
Untethered Healthcare Program		+4,000	+2,000	+4,000
Mobile I.V. system			+3,000	+2,600
Advanced Clinical Education Institute / Surgery Interactive System			+2,000	+1,000
Comprehensive Medical Imaging research			+7,000	+6,900
National Bioterrorism Civilian Medical Response (CIMERC)			+2,000	+1,400
Center for Prostate Disease Research (WRAMC)			+5,000	+4,300
National Tissue Engineering Center			+2,500	+2,500
Medical Modeling and Simulation through Synthetic Digital Genes			+2,500	+1,500
Fort Detrick Technology Transfer Initiative			+1,000	+1,000
Fibrinogen Bandages for Battlefield Wounds			+7,000	+3,500
Pennington Biomedical			+4,000	+2,600
Smart Shelf Chain of Custody and Control of Medical Records (Note: transferred to DHP title VI)			+8,800	0
SEAmEd Oral Health Project			+2,500	+1,900
Human Polymerized Pyridoxilated Hemoglobin-Based Oxygen Carriers			+2,000	+1,400
Accelerated Diagnosis-Digital Imaging Pattern Recognition			+4,000	+2,800
Study of Human Operator Performance (C-SHOP)			+5,000	+2,500
Light Based Self Treatment for Pseudofolliculitis Barbae (PFB)			+3,000	+1,500
Soldier-mounted Eye-Tracking and Control Systems			+2,000	+1,500
Vascular Graft Research for Combat Settings			+2,600	+1,800
Leishmaniasis Prevention, Treatment & Diagnosis			+10,000	+7,500
Malaria Prevention, Treatment & Diagnosis			+10,000	+7,500

R-1	Budget Request	House	Senate	Conference
Weight Measurements and Standards for Military Personnel			+3,000	+1,900
Electronic Textiles for Combat Casualty Care			+3,000	+1,500
Extra corporeal membrane oxygenation at Tripler			+6,000	+6,000
Tissue development on elastin biomatrixes			+5,600	+4,800
Tripler Army Medical Center eICU remote critical care			+4,000	+4,000
Improved Lung Cancer Management - Advanced Imaging Technology (Note: transferred from RDTE,A line 32)				+2,100
Authorized reduction			-5,000	-5,000
32 AVIATION ADVANCED TECHNOLOGY	69,549	86,549	102,749	100,249
Locust USA Heavy Fuel Burning Engines for UAVs		+6,000		+3,000
Process Technologies for Replacement Part Production (Note: only for Process Technologies for Replacement Parts Production)		+6,000	+6,000	+6,000
Wideband Network Enhancement for Joint Ground Force Interoperability		+5,000		+4,300
Excalibur Tact UCAV			+8,000	+6,000
Reconfigurable Tooling Systems			+1,700	+1,300
Wiring Traceout for Joint Aviation Technical Data Integration			+2,000	+1,300
UAV and Micro Air Vehicle Dynamometer			+7,000	+4,900
VTDP Compound Helicopter Technology Flight Demonstration			+5,500	+3,900
Improved Lung Cancer Management - Advanced Imaging Technology (Note: transferred to RDTE,A line 31)			+3,000	0
33 WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY	67,622	83,122	79,122	87,172
Rapid Prototyping for Special Projects		+8,000		+5,600
Development Mission Integration		+2,000		+1,400
Micro-electromechanical Systems Reliability Assessment Program		+1,000		+1,000
Technology Demonstration for the Prevention of Material Degradation		+2,500		+2,200
Future Laser Neutralization System (LNS)		+1,000		+1,000
Electromagnetic Gun Initiative		+1,000	+1,000	+1,000
Tungsten Penetrator			+4,000	+2,800
Main Rotor and Anti-Torque Blade Erosion Resistant Ceramic Coating			+3,500	+2,450
Compressor Blades Wear-Resistant Ceramic Coating			+3,000	+2,100
34 COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOGY	203,126	266,126	263,326	291,026
Advanced Army Modular Composite Bridge		+3,000	+8,000	+5,600
Advanced Power Trains and Intelligent Control Systems for M-Gators			+2,100	+1,500
Advanced Thermal Management System (Note: only for oil and air technologies to improve thermal management systems on additional platforms including heavy duty, medium duty, light, light armored, fuel cell, commercial auto, light truck, transit and hybrid diesel engines)		+4,000	+3,500	+2,600
All Composite Military Vehicle		+5,000		+4,500
Aluminum Lightweight Structures Initiative (ALSI)		+6,000		+5,100
Armored Composite Cab Development Program			+5,000	+2,500
Army Lightweight Structures Initiative (ALSI)			+4,000	+2,800
Battery Charging Technology (Note: only to continue development of advanced battery charging algorithms for Hybrid-Electric Vehicle applications)		+1,000		+1,000

R-1	Budget Request	House	Senate	Conference
CAV Technology Transition			+5,000	+3,500
Combat Vehicle Research		+5,000		+4,250
Development of Logistical Fuel Processors to Meet Army TARDEC and TACOM Needs		+3,000		+3,000
Digital Humans and Virtual Reality			+1,000	+1,000
Electrochromic Material Windows			+4,000	+2,000
Fastening and Joining Research			+2,000	+1,500
FREEDOM Software Environment		+1,000		+1,000
Fuel Cell Ground Support Equipment Demonstration		+3,500	+6,100	+4,600
High Strength, Powder Metal Gears for Vehicle Transmissions		+2,000		+1,000
IMPACT - Concept Modeling Tool Suite			+1,000	+1,000
Development/Sensitivity Analysis for Military Trucks (CMTSD/SAMT)				
Innovative Materials for Infrastructure Security			+3,000	+2,200
International Commercially Based Logistical Support Trucks		+3,000		+2,100
In-Theater Systems Development		+3,500		+2,450
Military Vehicle Technologies			+4,000	+2,800
Mobile Hydrogen Infrastructure (MHI) (Note: transferred to RDTE,A line 28)				+2,000
Modular logistics transport technology			+1,000	+1,000
Next Generation Non-Tactical Vehicle Propulsion			+3,500	+2,600
N-STEP Enabled Manufacturing Cell for FCS		+4,000	+5,000	+3,250
Opposed Piston, Opposed Cylinder (OPOC) Engine for use in an Auxiliary Power Unit (APU)		+1,000		+1,000
Pacific Rim Corrosion Research Program			+2,000	+1,700
Rapid Optimization of Commercial Knowledge (ROCK) Program		+2,000		+3,500
Rapid Prototyping TACOM-UMD		+3,000		+1,500
Rotary, Multi-Fuel, Auxiliary Power Unit (RMF-FPU)			+3,000	+2,100
Secure Pervasive Computing (PvC) for Advanced Combat Vehicles		+5,000		+3,500
Tactical Vehicle Design Tools			+2,000	+1,500
UAV Weaponization		+1,000		+1,000
US Army Hybrid Vehicle Test and Maintenance Infrastructure		+5,000		+4,250
Virtual Systems Integration Lab		+2,000		+1,000
Future Tactical Truck			-5,000	0
36 MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY	7,288	8,288	8,788	8,288
Battle Command Team Training (BCTT) Program		+1,000	+1,500	+1,000
37 ELECTRONIC WARFARE ADVANCED TECHNOLOGY	41,760	56,760	68,760	60,360
Applied Communications and Information Networking (ACIN) Program		+10,000	+12,000	+11,000
Portable and Mobile Emergency Broadband System		+2,000	+2,000	+2,000
Networking Environment for C3 Mobile Services (NECMS) facility		+3,000	+8,000	+5,600
Rapid Optimization of Commercial Knowledge (Note: transferred to RDTE,A line 34)			+5,000	0
39 NEXT GENERATION TRAINING & SIMULATION SYSTEMS	18,072	21,072	30,072	28,072
Combat Trauma Patient Simulator System		+3,000		+1,500
Institute for Creative Technologies - joint fires and effects training system			+5,000	+2,500
CAVE Automatic Virtual Environment			+7,000	+6,000

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R-1	Budget Request	House	Senate	Conference
41 EXPLOSIVES DEMILITARIZATION TECHNOLOGY	9,706	13,706	21,106	19,206
Sierra Army Depot Cryofracture/Plasma Arc Demilitarization Program		+4,000	+5,000	+4,500
Missile Recycling			+2,000	+1,400
Munitions demilitarization			+2,000	+1,500
Thin Layer Chromatography			+2,400	+2,100
42 MILITARY HIV RESEARCH	6,641	16,641	6,641	14,141
Test, Treatment and Preventive Vaccines		+10,000		+7,500
43 COMBATING TERRORISM TECHNOLOGY DEVELOPMEN	3,383	8,383	9,583	8,383
Advanced Mobile Micro Grid Program		+5,000	+6,200	+5,000
45 EW TECHNOLOGY	9,382	22,882	16,382	22,182
US Army Tactical ELINT for Ground Maneuver Forces		+5,500		+3,850
Multifunctional Intelligence and Remote Sensor System Advanced Technology		+1,000		+1,000
Portable Level I Fusion Tool Set		+3,500		+3,000
Aerial Canopy Sensor Delivery System (ACS DS)		+3,500		+1,450
Ground Combat Vehicle Laser Warning			+2,000	+1,000
Shortstop Electronic Protection System			+5,000	+2,500
46 MISSILE AND ROCKET ADVANCED TECHNOLOGY	92,800	106,800	118,300	120,300
Volumetrically Controlled Manufacturing (Note: only to continue existing University-based research on Volumetrically Controlled Manufacturing to expand the pre- existing basic science from mechanical applications to thermal, electro-magnetic, acoustic, and optic applications)		+1,000		+1,000
Multi-Controlled UAV Plug-n-Play Sensor		+2,000		+900
Persistent Protective Surveillance for the Survivability of Rotary Wing Aircraft		+3,000		+1,800
Micro-Factories for Precision Parts Program		+2,000		+1,000
Smart Energetics Architecture for Missile Systems		+2,000		+1,000
Compact Kinetic Energy Missile (CKEM) Stabilized Mobile Launcher (Note: only to demonstrate CKEM launch capabilities off a Light Combat Vehicle)		+1,000		+1,000
Waterside Wide Area Tactical Coverage & Homing (WaterWATCH)		+3,000		+1,800
Long-Range Aviation Missile (LRAM)			+2,000	+1,200
Warfighter Protection and Homeland Security Lab			+5,000	+4,800
Missile Simulation Technology			+11,000	+7,700
Close-in Active Protection Systems (CIAPS)			+7,500	+5,300
48 LANDMINE WARFARE AND BARRIER ADVANCED TECHNOLOGY	25,577	31,577	32,577	34,977
SCANJACK Mine Clearing System		+1,000		+1,000
EDIT Advanced Landmine Detection		+1,000	+2,000	+1,400
Forward Looking Synthetic Aperture Stepped-Frequency Ground Penetrating RADAR (FLGPSAR)		+1,000		+3,000
Landmine Detection System using Terahertz Radiation		+3,000		+1,500
Light-Weight Rapidly Deployable Modular Hardened Shelters			+5,000	+2,500
49 JOINT SERVICE SMALL ARMS PROGRAM	5,968	5,968	11,868	10,068
Advanced Demining Technology			+5,900	+4,100

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R-1	Budget Request	House	Senate	Conference
51 NIGHT VISION ADVANCED TECHNOLOGY	50,071	100,071	88,371	106,421
Buster Backpack UAV		+10,000	+12,500	+12,500
Advanced Passive Millimeter Wave Imager			+6,000	+4,200
Camera Assisted Monitoring System (CAMS) (Note: only to continue development and transition of CAMS to a type classified standard system)		+3,000		+1,500
Cerberus Sensor Suite Program - K70		+4,000		+2,000
Cost Effective Targeting System (CETS)			+4,800	+2,400
IED locating low-cost, long-endurance UAVs			+5,000	+3,300
MCAD for TUAV		+2,000		+1,400
Multi-Color, Multi-Function Focal Plane Array for Targeting and Fire Control		+1,000		+1,000
Night Vision Advanced Technology (NAS Project)		+5,000		+5,000
Night Vision Fusion Research and Development		+7,000	+5,000	+6,000
Personal Miniature Thermal Vision System		+3,000		+1,500
Sensor Technology for Force Protection		+11,000		+9,350
Soldier Mobility and Rifle Targeting System (SMaRTS)			+1,000	+1,000
Virtual Event Perimeter (VEP) Digital Video Surveillance Program		+2,000		+1,000
Warfighter/Firefighter Position, Location, and Tracking (PLT) Sensor			+4,000	+2,800
Wire Detection and Obstacle Avoidance for helicopters		+2,000		+1,400
52 ENVIRONMENTAL QUALITY TECHNOLOGY DEMONSTRATIONS	14,666	19,166	14,666	18,716
Ft. Ord Lead Based Paint and Wood Recycling Initiative		+3,000		+3,000
Commercialization of Technologies to Lower Defense Costs		+1,500		+1,050
53 MILITARY ENGINEERING ADVANCED TECHNOLOGY	3,865	10,365	27,065	26,765
1 Megawatt Molten Carbonate Fuel Cell Demonstrator		+3,000		+1,500
Mobile Transformers and Mobile Substations				+1,000
Demonstration Project (Note: transferred from OP,A line 165)				
Integration of Commercial GIS Capabilities into Army C4ISR (TEC) (Note: only to investigate and improve integration and exploitation of commercial Geographic Information System capabilities of the Commercial Joint Mapping Toolkit into C4ISR components of Army tactical systems, to be conducted by the Army's Topographic Engineering Center of the Engineering Research and Development Center)		+3,500		+3,000
Defense Application of Stationary Carbonate Fuel Cells				+2,000
Ramgen/Fuel Cell Hybrid System			+5,000	+4,300
US Army Advanced Structures and Composites in Construction research			+5,000	+2,500
Solid Oxide Fuel Cell (SOFC) Development for Defense Applications			+5,000	+3,500
Battlefield Production of Hydrogen for Fuel Cell Vehicles			+1,000	+1,000
Advanced Mobile Microgrid Program			+6,200	+3,100
Defense Applications for Thermo-Electric Power Generation Devices			+1,000	+1,000

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R-1	Budget Request	House	Senate	Conference
54 ADVANCED TACTICAL COMPUTER SCIENCE AND SENS TECHNOLOGY	31,951	55,451	31,951	48,051
Dominant Military Operations on Urbanized Terrain (DMOUT) Viewer (DMV)		+2,000		+1,300
ASAS Light RDTE Development (Note: only to provide coalition interoperability, generic sensor interfaces and IBS broadcast integration)		+2,000		+1,000
Distributed Scalable C2 Communication System		+1,000		+1,000
MVMNT Program for Simulation Based Operation		+2,000		+1,000
Digital Array Radar Technology Development		+2,000		+1,000
Weather Intelligence Sensor System		+1,000		+1,000
Blast and Damage Assessment Risk Analysis and Mitigation Application (BADARAMA)		+2,000		+1,700
PING Wideband FR Target ID System (Note: only to accelerate the development of a PING field unit for urban warfare operations)		+2,500		+2,200
Radar Tags (Note: only for the Communications and Electronics Research, Development and Engineering Center's radar tags program for combat identification)		+4,000		+3,400
LCMR-Capabilities Enhancement (LCMR-CE) (Note: only to support further development of LCMR-CE to enhance the capabilities of this manportable radar system)		+5,000		+2,500
55 ARMY MISSILE DEFENSE SYSTEMS INTEGRATION	53,509	89,509	116,909	117,009
Advanced Battery Technology		+3,000		+2,600
Advanced Laser Electric Power (ALEP) Program (Note: only to carry out a collaborative advanced laser electric power (ALEP) program initiative with the private sector and the U.S. Army Space and Missile Defense Command)		+3,000		+1,500
Advanced Strap-Down Seeker (ASDS)			+4,900	+3,500
Anti-Stealth Research--Passive Surveillance System			+2,000	+1,400
Ballute Technology Development (Note: only to address technical issues with ballute inflation loads and kill vehicle dynamics, selection of ballute materials, flight dynamics, stability and control, weight and stowed volume of the ballute system)		+2,000		+1,000
C4ISR Visualization		+1,000		+1,000
Carbon Foam, Missile Defense Agency			+3,500	+3,000
Composite Chassis		+1,000		+1,000
Credible Threat Prediction Capability Development		+4,000		+2,400
DESS - Dielectric Enhanced Sensor System		+2,000		+1,400
Eagle Eyes Nuclear Detection Program			+1,000	+1,000
Global Infrasound Monitoring of the Atmosphere			+2,000	+1,400
Integrated Composite Airframe Structure Program			+5,000	+2,500
Low Cost Avionics			+1,000	+1,000
Mobile Tactical High Energy Laser (MTHL)			+15,000	+8,000
Modeling and Simulation Activities			+3,000	+2,100
Multiple Component Army Flight Test		+3,000		+2,600
Nanoscience Initiative			+4,000	+3,000
Next Generation Hardware-in-the-loop (HWIL) Tool (NGHT)			+15,000	+10,500
NGPS - Next Generation Passive sensors		+3,000	+3,000	+3,000
P3 Power Systems (Note: transferred to RDTE, A line 56)			+3,000	0
Remote Sensor Monitoring Technology Research Program to Characterize NCB Species		+5,000		+2,500

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R-1	Budget Request	House	Senate	Conference
Spectral Operations Resources Center (SORC)		+3,000		+2,600
Ultra Light UAV Sensor Platform		+4,000		+3,000
Vertical Integration for Missile Defense Data		+2,000	+1,000	+1,500
56 ARMY MISSILE DEFENSE SYSTEMS INTEGRATION (DEM/VAL)	4,871	6,871	35,971	33,471
P3 Power System		+2,000		+2,000
Low Cost Interceptor (LCI)			+15,000	+10,500
Radar Power Technology Research Program			+1,000	+1,000
Telecommunication upgrades at Kodiak Launch Complex			+9,300	+9,300
Kodiak Range upgrades - KLC safety upgrades			+5,800	+5,800
57 AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING	91,713	106,713	122,713	116,313
Geospatial Information Decision Support for Single Integrated Air Picture		+7,000	+2,000	+5,300
SituSpace Single Integrated Space Picture (SISP)		+3,000	+9,000	+4,500
ASMD Architecture Analysis (A3) Program		+2,000		+1,000
Future Army Attack and Missile Defense System (FAAMDS)		+3,000		+1,800
E-STRIKE Technology Enhancement for the Maneuver Air Defense Capability			+10,000	+5,000
Hybrid-Electric Technology Demonstrator			+4,000	+2,800
Air and Missile Defense Architecture Analysis (A3) Program			+6,000	+4,200
58 LANDMINE WARFARE AND BARRIER - ADV DEV	11,634	11,634	18,634	16,534
MVMNT Program for Simulation Based Operation			+7,000	+4,900
59 SMOKE, OBSCURANT AND TARGET DEFEATING SYS-ADV DEV	6,249	6,249	11,249	9,749
Advanced Laser Electric Program			+1,000	+1,000
Thermo-Acoustic Piezo Energy Conversion			+1,000	+1,000
Standoff Hazardous Agent Detection and Evaluation System Research			+3,000	+1,500
60 TANK AND MEDIUM CALIBER AMMUNITION	39,697	50,197	9,697	27,847
GPS Interference Suppression Unit		+4,500		+3,150
Mid-Range Munition (MRM)		+6,000		0
MRM			-30,000	-15,000
65 NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT	14,047	14,047	19,047	17,797
Night Vision Systems Advanced Development (FIRRE)			+5,000	+3,750
66 ENVIRONMENTAL QUALITY TECHNOLOGY DEM/VAL	9,356	43,856	24,356	43,456
Aberdeen Proving Ground Asbestos Conversion Facility		+1,500		+1,200
Environmental Management System Demonstration		+1,000		+1,000
Environmental Security Technical Certification Program (Note: only for a demonstration project of remediation technologies in the eastern portion of the Bunker Hill Basin served by the East Valley Water District)				+1,000
Transportable Detonation Chamber		+7,000		+4,200
Military Environmental Information Exchange Program		+5,000		+2,500
Nanometric Arsenic Removal (Note: only to continue the ongoing program)				+2,000
Vanadium Technology Partnership		+3,500	+3,000	+3,000
Demonstration of Technologies to reduce the costs associated with Base Redevelopment		+2,500		+2,200

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R-1	Budget Request	House	Senate	Conference
NDCEE Joint Service Initiative		+8,000		+6,800
Sustainable Installations		+2,000		+1,700
Casting Emission Reduction Program (CERP)		+4,000	+3,500	+3,500
Waste Minimization and Pollution Prevention			+1,000	+1,000
Wellhead Treatment of Perchlorate Contaminated Wells			+5,000	+2,500
Environmental Management System Pilot in the Defense Department			+2,500	+1,500
69 AVIATION - ADV DEV	12,113	14,113	18,613	16,713
Virtual Cockpit Optimization Program (VCOP)		+2,000	+5,500	+3,600
Rapid Response Chem-Bio Decon, Liquid and Dry (Decon Green)			+1,000	+1,000
70 WEAPONS AND MUNITIONS - ADV DEV	2,382	2,382	2,382	8,682
XM25 Air Burst Weapon System (Note: transferred from RDTE,A line 114)				+6,300
71 LOGISTICS AND ENGINEER EQUIPMENT - ADV DEV	10,485	12,485	16,485	16,685
US Army/Army Reserve Performance Support System Phase II		+2,000		+1,700
Mobile Parts Hospital			+6,000	+4,500
73 MEDICAL SYSTEMS - ADV DEV	10,258	13,258	22,758	21,058
Portable Battery Operated Solid-State Electrochemical Oxygen Generator		+2,000		+1,000
Electrosomotic Pain Therapy System for Adjustable Rate Implantable Drug Delivery		+1,000		+1,000
Future Medical Shelter System			+7,500	+5,300
Combat Medical Material-Advanced Development			+5,000	+3,500
78 AIRCRAFT AVIONICS	68,857	68,857	80,827	82,827
Fly-By-Wire Upgrades (Note: transfer from RDTE,DW)			+11,970	+11,970
Army Airborne Avionics Improvement Data Modem				+2,000
79 ARMED, DEPLOYABLE OH-58D	20,000	20,000	15,000	15,000
Lack of justification			-5,000	-5,000
82 JOINT TACTICAL RADIO	121,400	121,400	121,400	122,400
Logistics Waveform Feasibility Study				+1,000
83 ALL SOURCE ANALYSIS SYSTEM	5,346	7,346	5,346	6,646
All Source Analysis System (ASAS) Analysis Control Element (ACE) Light (ASAS ACE Light)		+2,000		+1,300
85 COMMON MISSILE	152,381	102,381	152,381	117,381
Funding ahead of need		-50,000		-35,000
86 INFANTRY SUPPORT WEAPONS	28,187	30,687	38,187	35,187
XM312 .50 Caliber Advanced Crew Served Weapon		+2,500	+10,000	+7,000
87 MEDIUM TACTICAL VEHICLES	2,854	12,554	5,854	14,654
Medium Tactical Vehicle Development		+9,700		+9,700
FMTV Weight/Cost Reduction Initiative			+3,000	+2,100

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R-1	Budget Request	House	Senate	Conference
90 FAMILY OF HEAVY TACTICAL VEHICLES	2,479	5,479	27,479	20,479
Mobile Parts Hospital Advanced Development (Note: transferred to RDTE,A line 71)		+3,000		0
HEMTT A3 SDD			+10,000	+7,000
Heavy Equipment Transport System (HETS) recap program			+3,000	+2,100
Palletized Load System (PLS) recap program			+2,000	+1,400
21st Century Truck and Future Tactical Truck System			+10,000	+7,500
93 LIGHT TACTICAL WHEELED VEHICLES	0	12,500	10,000	10,000
PM Program for Bloc Improvement Program (HMMWV)		+12,500	+10,000	+10,000
94 ARMORED SYSTEMS MODERNIZATION (ASM)-ENG DEV	2,700,455	2,376,010	2,127,018	2,374,010
Program Overhead/Excess Management Reserve		-248,000	-150,000	-250,000
NLOS-LS		-76,445		-76,445
Transfer to 0604646			-79,500	0
Transfer to 0604647			-343,937	0
NEW NON LINE OF SIGHT LAUNCH SYSTEMS	0	0	64,500	58,200
Transfer from 0604645			79,500	+58,200
LAM			-15,000	0
95 NON-LINE OF SIGHT CANNON	497,643	497,643	841,580	497,643
Transfer from 0604645			+343,937	0
97 NIGHT VISION SYSTEMS - ENG DEV	24,693	27,693	24,693	27,243
Multi-Platform Replacement Sight (MRS)		+3,000		+2,550
98 COMBAT FEEDING, CLOTHING, AND EQUIPMENT	115,093	99,093	115,093	102,893
Mounted Warrior Nomad Command and Control Head Up Display (C2HUD)		+4,000		+2,800
Land Warrior/Future Force Warrior consolidation		-20,000		-15,000
105 AUTOMATIC TEST EQUIPMENT DEVELOPMENT	4,713	7,713	7,213	9,113
Integrated Family of Test Equipment (IFTE)		+3,000		+2,600
Integrated Family of Test Equipment - Base Shop Test			+2,500	+1,800
106 DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS) - ENGI	26,985	30,485	26,985	29,985
Rock Drill--Commander's Battlefield Planning Tool		+2,000		+1,700
Dynamic Re-Addressing and Management for Army (DRAMA)		+1,500		+1,300
108 ARMY TACTICAL MISSILE SYSTEM (ATACMS)	21	21	21	1,821
Viper Strike (Note: moved from BAT program line)				+1,800
BRILLIANT ANTI-ARMOR SUBMUNITION (BAT)	0	0	2,521	0
Viper Strike (Note: moved to RDTE,A line 108)			+2,521	0
111 COMBINED ARMS TACTICAL TRAINER (CATT) CORE	23,849	19,109	23,849	19,109
Comanche IOT&E Funding		-4,740		-4,740
113 AVIATION - ENG DEV	2,378	2,378	3,378	3,378
Advanced Ballistic Protection			+1,000	+1,000

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R-1	Budget Request	House	Senate	Conference
114 WEAPONS AND MUNITIONS - ENG DEV	125,885	159,385	149,885	161,085
Precision Guided Mortar Munition		+1,500		0
Precision Guided Mortar Munition (PGMM)		+6,000	+10,000	+8,500
Mortar Anti-Personnel/Materiel (MAPAMS)		+1,000	+4,000	+4,000
XM25 Air Burst Weapon System (Note: transferred to RDTE,A line 70)		+7,500		0
Advanced Cannon Artillery Ammunition Program ACA2P		+13,000		+13,000
Hybrid Propellant for medium and large caliber ammunition		+4,500		+2,700
Distributed Aperture Semi Active Laser Seeker (DASALS)			+5,000	+3,500
Common Remotely-Operated Weapons Station (CROWS)			+5,000	+3,500
115 LOGISTICS AND ENGINEER EQUIPMENT - ENG DEV	89,151	165,051	96,151	94,451
Marine Oriented Logistics--Theater Support Vessel (TSV) (Note: only to provide full funding for Army R&D vessel)		+75,900		0
Rapidly Installed Fuel Transfer System (RIFTS)			+7,000	+5,300
116 COMMAND, CONTROL, COMMUNICATIONS SYSTEMS - ENG DEV	219,790	219,790	227,790	227,790
Standoff Sensor for Radionuclide ID (SSRID)			+8,000	+8,000
117 MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT	11,727	14,227	15,727	20,127
LSTAT Medical Technology		+2,500		+1,800
Chitosan bandage component			+2,500	+2,100
Bioterrorism Education (Note: transferred from RDTE,A line 154)				+1,000
Chemical-Biological Casualty Treatment (Note: transferred from RDTE,A line 154)				+2,500
Cartledge Infuser			+1,500	+1,000
118 LANDMINE WARFARE/BARRIER - ENG DEV	51,045	61,045	51,045	59,545
Magneto Inductive Remote Activation Munition System (MI-RAMS) (Note: only to accelerate MI-RAMS engineering and development and for LRIP)		+10,000		+8,500
119 ARTILLERY MUNITIONS - EMD	133,297	142,297	133,297	139,197
Excalibur XM982 Life Cycle Improvements		+4,000		+3,400
BONUS Compliance Program (BCP) (Note: only for development and implementation of U.S. Army (PM CAS) BONUS compliance program)		+5,000		+2,500
120 COMBAT IDENTIFICATION	6,994	6,994	14,994	12,594
Integrated Battlefield Combat Situational Awareness			+8,000	+5,600
124 FIREFINDER	18,516	20,016	24,516	22,716
Phoenix AN/TPQ-47		+1,500	+6,000	+4,200
125 ARTILLERY SYSTEMS - EMD	9,550	12,550	12,550	12,550
Paladin-Excalibur Integration		+3,000	+3,000	+3,000

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R-1	Budget Request	House	Senate	Conference
127 INFORMATION TECHNOLOGY DEVELOPMENT	95,261	102,261	95,261	99,811
Rock Island Arsenal Information Technology Development (Note: only for a pilot field location for Redstone Arsenal's Integrated Force Protection simulation design work to be located at the Midwest Logistics Operations Center of the Army Field Logistics Command and Joint Munitions Command)		+4,000		+2,000
Knowledge Management System		+3,000		+2,550
Electronic Commodity Project			[1,000]	[1,000]
128 THREAT SIMULATOR DEVELOPMENT	22,101	25,101	31,701	30,701
Army Threat Signals Intelligence Program		+3,000		+1,800
RF/SAM Threat Simulator Program			+9,600	+6,800
129 TARGET SYSTEMS DEVELOPMENT	11,017	15,017	11,017	13,817
Unmanned Air Vehicle Improved Altitude Control		+4,000		+2,800
130 MAJOR T&E INVESTMENT	57,987	60,987	57,987	61,487
Vehicle Durability Simulator		+3,000		+2,500
Network Centric Warfare Digital Battlefield Instrumentation (NCW-DBI)				+1,000
131 RAND ARROYO CENTER	20,012	20,012	24,012	22,812
RAND Arroyo Center			+4,000	+2,800
132 ARMY KWAJALEIN ATOLL	143,921	146,421	143,921	145,721
Replacement Dome Housing for US Army Kwajalein Atoll		+2,500		+1,800
133 CONCEPTS EXPERIMENTATION PROGRAM	22,727	23,727	24,727	25,227
Handwritten Optical Character Recognition Software		+1,000		+1,000
Technology Management and Collaboration Initiative			+2,000	+1,500
135 ARMY TEST RANGES AND FACILITIES	181,114	181,114	201,114	197,114
Cold Regions Test Center - hybrid electric infrastructure			+10,000	+9,000
Big Crow Program Office (BCPO)			+10,000	+7,000
136 ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS	52,433	57,433	61,933	62,683
White Sands Missile Range (WSMR) Test Modernization		+5,000		+4,250
Chemical-Biological Defense Material Test and Evaluation Initiative			+1,500	+1,000
Advanced Digital Radar System (ADRS)			+3,000	+1,500
White Sands Missile Range Film Elimination			+5,000	+3,500
137 SURVIVABILITY/LETHALITY ANALYSIS	44,648	44,648	50,648	48,848
Decision Related Structures			+6,000	+4,200
143 SUPPORT OF OPERATIONAL TESTING	71,239	72,239	71,239	72,239
MATTRACKS - Track conversion systems for lightweight wheeled vehicles		+1,000		+1,000
147 TECHNICAL INFORMATION ACTIVITIES	27,713	27,713	30,713	29,213
Army High Performance Computing Research			+3,000	+1,500

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R-1	Budget Request	House	Senate	Conference
148 MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY	14,611	36,611	36,111	39,811
Advanced Cluster Energetics (ACE) Manufacturing Technology		+2,500	+3,000	+2,500
Advanced Technology Center		+1,500		+1,050
Aluminum Matrix Composite Technology Partnership - Munitions			+5,000	+2,500
CZT Detectors for Automated Munitions Inspections and Surveillance		+1,500		+1,050
Excalibur Life Cycle Improvements (Note: transferred to RDTE,A line 119)			+5,000	0
Fuel Cells for Munitions		+1,000		+1,000
Manufacturing Research and Development for Nanotechnologies and Energetic Materials		+1,500		+1,100
MEMS IMU Technology Capability		+3,000		+1,500
MEMS Nano Consortium		+2,000		+1,400
Micro Electrical Mechanical Systems (MEMS) Technology Applications			+1,000	+1,000
Mid Range Munition (MRM) Life Cycle Improvements			+5,000	+3,500
Mid-Range Munition		+1,000		+1,000
Munitions Life Cycle Pilot Processes		+2,000		+1,400
Munitions Public Private Partnerships (Energetics, Sensors, Seekers)		+3,500		+2,500
Nanoparticle Development for Energetic Materials		+2,000		+1,700
Nanotechnology Technologies for Defense Applications			+2,000	+1,500
OMEGA 60 Battle Effect Simulators		+500	+500	+500
152 MLRS PRODUCT IMPROVEMENT PROGRAM	97,422	112,422	97,422	110,172
GMLRS Unitary		+15,000		+12,750
153 AEROSTAT JOINT PROJECT OFFICE	81,514	84,514	81,514	83,014
MEMS Demonstration Radar System (MEMS DRS)		+3,000		+1,500
154 DOMESTIC PREPAREDNESS AGAINST WEAPONS OF MASS DESTRUCTION	0	1,000	5,000	0
Bioterrorism Education (Note: transferred to RDTE,A line 117)		+1,000		0
Chemical-Biological Casualty Treatment (Note: transferred to RDTE,A line 117)			+5,000	0
156 COMBAT VEHICLE IMPROVEMENT PROGRAMS	15,952	23,952	15,952	17,952
Digitization Support to Ft. Hood (University XXI) (Note: transferred to RDTE,A line 160)		+4,000		0
Combat Vehicle Electronics for Future and Current Programs (Note: only to develop next generation electronics for current and future combat vehicles, and to accelerate standardization of their vetronic architecture)		+4,000		+2,000
158 AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS	242,853	253,853	222,853	250,053
Maintenance Analysis Safety and Training (MAST) program		+5,000		+2,500
Helicopter Autonomous Landing System (HALS)		+4,000		+2,000
Prototype Sensor		+2,000		+1,700
Army Distributed Mission Training System			+30,000	+21,000
IMD-HUMS, UH-60L Army Demonstration			-50,000	-20,000
ACS Contract award delay				

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R-1	Budget Request	House	Senate	Conference
159 AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	2,427	2,427	12,427	7,427
FADEC for Kiowa Warrior & Mission Enhanced Little Bird			+10,000	+5,000
160 DIGITIZATION	24,506	24,506	24,506	26,506
Digitization Support to Ft. Hood (University XXI) (Note: transferred from RDTE,A line 156)				+2,000
162 MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM	31,690	31,690	31,690	33,690
Advanced Composite Radome (Note: transferred from general provision Sec. 8154)				+2,000
171 SECURITY AND INTELLIGENCE ACTIVITIES	0	14,000	4,000	14,600
Information Dominance Center-Mobile Agent Technology		+6,000		+4,200
Automated Communications Support System for WARFIGHTERS, Intelligence Community and Analysts		+1,000		+1,000
Global Anti-Terrorist Activity Analysis Capability at the INSCOM Information Dominance Center		+3,000		+2,100
Portable Iris Enrollment and Recognition (PIER) Device (Note: only for continued development of the PIER and the associated multi-modal platform)		+4,000		+2,000
Security Command - Information and Dominance Center (Note: transferred from general provision)				+2,300
Document Exploitation			+4,000	+3,000
172 INFORMATION SYSTEMS SECURITY PROGRAM	24,725	24,725	30,725	29,825
Biometrics – testing of technology			+6,000	+5,100
174 SATCOM GROUND ENVIRONMENT (SPACE)	51,959	54,959	51,959	54,059
KaSAT		+3,000		+2,100
177 TACTICAL UNMANNED AERIAL VEHICLES	45,627	48,627	55,127	54,377
Army I-GNAT ER Unmanned Aircraft		+3,000		+2,100
Small Platform Modern Signal Communications Intelligence (COMINT)			+9,500	+6,650
178 AIRBORNE RECONNAISSANCE SYSTEMS	5,128	5,128	11,328	8,228
Hyperspectral Longwave Imager for the Tactical Environment (HYLITE)			+6,200	+3,100
179 DISTRIBUTED COMMON GROUND SYSTEMS	43,254	55,254	50,254	54,904
ASAS Light		+2,000		+1,400
Intelligence Data Exchange for Execution and Planning, Distributed Common Ground Systems		+3,000		+2,550
Joint Visualization System (JVS)		+2,000		+1,700
Automatic Target Cueing System		+5,000		+2,500
Intelligence Data Exchange for Execution and Planning (I-DEEP) DCGS			+7,000	+3,500

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R-1	Budget Request	House	Senate	Conference
181 END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES	67,236	83,236	86,836	91,886
Free Form Low Cost Fabrication using titanium			+2,000	+1,400
High Temperature Structural Ceramic Materials		+3,000		+1,800
Laser Engineered Net Shaping (LENS) Manufacturing Qualification			+2,500	+1,800
Laser Peening		+1,000		+1,000
Laser System Development for Turbine Engine Applications			+3,000	+1,500
LEAN Munitions Program		+3,000		+1,500
Manufacturing Metrology for Weapon System Production & Sustainment			+1,600	+1,000
Manufacturing Systems Demonstration			+2,500	+1,900
National Center for Defense Manufacturing & Machining		+4,000		+3,400
Packaging and Interconnection Technology			+5,000	+2,500
Reactive Armor Plasma (RAP) Processing		+3,000		+2,550
Six Sigma Lean Enterprise		+1,000		+1,000
Third Generation Dual Band Infrared Imagers		+1,000		+1,000
Virtual Parts			+3,000	+2,300
DCF Defense Language Institute	0	2,500	0	5,000
Satellite Communications for Learning (SCOLA)		+2,500		+2,000
Broadband Language Training System				+3,000

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FUTURE COMBAT SYSTEM

The conferees direct that the Army adhere to the following funding structure in execution of appropriations provided for fiscal year 2005, and in preparation of the fiscal year 2006 budget request.

0604645A: Armored Systems Modernization \$2,374,010,000

--System of Systems (SoS) Engineering and Program Management,
Family of Systems Analysis and Integration, Network Software, Systems
Integration Platforms—Management, SoS Test and Evaluation, Government
Cost, Other Contract Cost \$1,570,610,000

--Sustainment \$53,600,000

--UAV Reconnaissance & Sensors \$154,200,000

--Unmanned Ground Vehicles \$137,100,000

--Manned Ground Vehicles..... \$429,000,000

--Unattended Ground Sensors..... \$29,500,000

New P.E.: Non-Line of Sight Launch System \$58,200,000

0604647A: Non Line of Sight Cannon (NLOS-C) \$497,643,000

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Total: \$2,929,853,000

The projects identified within program element 0604645A, Armored Systems Modernization, are congressional special interest items for the purpose of prior approval reprogrammings as discussed elsewhere in this report. Funds provided in a new program element for the Non Line of Sight Launch System (NLOS-LS) are subject to normal prior approval reprogramming procedures as described elsewhere in this report.

The conferees direct that the Secretary of the Army provide a report to the congressional defense committees not later than November 1, 2004, that outlines the program definition including missile configurations for NLOS-LS.

NON LINE OF SIGHT CANNON

The conferees agree with the guidance provided in the House report accompanying the fiscal year 2005 DoD Appropriations bill concerning the Non Line of Sight Cannon and Resupply Vehicle (NLOS-C). Accordingly, the conference agreement includes a general provision (Sec. 8109) that directs the Army to program and budget for NLOS-C for fielding in 2010. The conferees direct that fielding shall be conducted as defined by Army Regulation 700-142.

As noted elsewhere in the report, the budget request includes \$497,643,000 for NLOS-C. The conferees recognize that \$93,686,000 of this amount was requested explicitly for the purpose of developing mission equipment unique to NLOS-C. Accordingly, the conferees direct that this amount is a congressional special interest item for the purpose of prior approval reprogrammings.

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LAND WARRIOR AND FUTURE FORCE WARRIOR

The conferees direct the Secretary of the Army to submit to the congressional defense committees a plan, not later than January 31, 2005, to consolidate the Land Warrior and Future Force Warrior programs into a single program, benefiting from the efficiencies of each. The conferees also recommend a reduction to the Future Force Warrior program of \$5,000,000 and a reduction to the Land Warrior program of \$15,000,000, as a result of anticipated efficiencies gained through consolidation of these two programs. The consolidated program should take on the focus of the Army's Future Combat System (FCS) and provide the Army with a FCS dismounted capability for the individual soldier. Further, the conferees understand that it is possible to field a dismounted capability immediately to the Stryker Brigades currently deployed in combat. Therefore, the conferees recommend that the combined program re-focus its procurement strategy to incorporate these emerging capabilities, such as the Commanders Digital Assistant (CDA) and hand-held EPLRS capabilities, into the Stryker brigades immediately.

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AERIAL COMMON SENSOR

The Aerial Common Sensor (ACS) program, when fielded, will be the Army's premier multi-intelligence, precision targeting airborne intelligence, surveillance and reconnaissance (ISR) capability. This state of the art platform will replace the Army's Guardrail Common Sensor and Airborne Reconnaissance Low systems. The conferees note that the fiscal year 2005 budget request included \$149,000,000 to initiate this critical intelligence modernization program based on an anticipated award date of January, 2004.

9 Unfortunately, ~~this date has come and gone, and~~ the Army has yet to make any contract award. The revised estimate of the award date is at least 8 months beyond the date briefed to Congress. For this reason, the Senate bill reduced the program by \$50,000,000. The conferees remain concerned with the pace of this program and in particular, note that it is a critical program whose delay only sets back the Army's ISR mission. The conference agreement provides \$129,000,000 for the Aerial Common Sensor program, a reduction of \$20,000,000.

PATRIOT PAC-3/MEDIUM EXTENDED AIR DEFENSE SYSTEM
(MEADS)

The conferees support the view expressed in the report accompanying the House version of the fiscal year 2005 Department of Defense Appropriations bill that DoD should continue its plans to merge the PAC-3 and MEADS programs under Army cognizance. The conferees are also concerned about the delays in implementing this management structure, and their potential effect. Accordingly, the conferees direct the Secretary of the Army to develop a plan to merge these programs as directed by the April 2003 Acquisition Decision Memorandum, and provide a report to the congressional defense committees on this plan not later than February 15, 2005.

GUIDED MULTIPLE LAUNCH ROCKET SYSTEM (GMLRS)-
UNITARY

The conferees provide an additional \$12,750,000 above the budget request of \$97,422,000 for the Multiple Launch Rocket System (MLRS) Product Improvement program, for a total of \$112,422,000 to accelerate development and fielding of the GMLRS-Unitary munition to US forces in high-risk locations by fiscal year 2006. The conferees direct that this total amount is a congressional special interest item for the purpose of prior approval reprogrammings.

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LAND MINE ALTERNATIVES

The conferees direct the Secretary of the Army to submit a report on land mine alternatives as directed by the Senate to the congressional defense committees by no later than January 3, 2005.

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BROADBAND LANGUAGE TRAINING PROGRAMS

The conferees support the development of Broadband Language Training programs and, accordingly, provide \$3,000,000 to advance Broadband Language Training Systems at the Defense Language Institute (DLI) within the newly established DLI program element as described elsewhere in this report. The conferees understand that issues have arisen delaying the execution ~~and furtherance~~ of the fiscal year 2004 funding for this program. Accordingly, the conferees recommend a rescission of \$4,000,000 from Research, Development, Test and Evaluation, Army funds made available in fiscal year 2004.

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RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY

The conference agreement on items addressed by either the House or the Senate is
as follows:

	Budget	(In thousands of dollars)		
		House	Senate	Conference

RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY				
BASIC RESEARCH				
UNIVERSITY RESEARCH INITIATIVES.....	83,508	95,008	87,008	92,208
IN-HOUSE LABORATORY INDEPENDENT RESEARCH.....	17,664	17,664	20,164	19,564
DEFENSE RESEARCH SCIENCES.....	375,812	385,812	380,312	384,212
TOTAL, BASIC RESEARCH.....	476,984	498,484	487,484	495,984

APPLIED RESEARCH				
POWER PROJECTION APPLIED RESEARCH.....	98,831	125,831	127,831	137,331
FORCE PROTECTION APPLIED RESEARCH.....	96,269	113,769	150,269	145,069
MARINE CORPS LANDING FORCE TECHNOLOGY.....	35,398	36,398	36,898	37,398
HUMAN SYSTEMS TECHNOLOGY.....	---	2,000	---	1,500
MATERIALS, ELECTRONICS AND COMPUTER TECHNOLOGY.....	---	5,500	---	4,000
COMMON PICTURE APPLIED RESEARCH.....	60,134	72,634	97,634	103,134
WARFIGHTER SUSTAINMENT APPLIED RESEARCH.....	63,726	117,926	112,526	131,026
RF SYSTEMS APPLIED RESEARCH.....	49,151	56,651	65,151	65,351
OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH.....	48,482	73,982	55,482	67,682
UNDERSEA WARFARE APPLIED RESEARCH.....	64,060	73,560	84,060	85,260
MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH.....	48,016	48,016	48,016	48,016
TOTAL, APPLIED RESEARCH.....	564,067	726,267	777,867	825,767

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		(In thousands of dollars)		
	Budget	House	Senate	Conference
ADVANCED TECHNOLOGY DEVELOPMENT				
POWER PROJECTION ADVANCED TECHNOLOGY.....	92,359	125,859	125,359	140,459
FORCE PROTECTION ADVANCED TECHNOLOGY.....	82,130	166,230	135,480	183,530
COMMON PICTURE ADVANCED TECHNOLOGY.....	79,521	80,521	83,521	83,921
WARFIGHTER SUSTAINMENT ADVANCED TECHNOLOGY.....	61,103	83,603	91,103	95,203
RF SYSTEMS ADVANCED TECHNOLOGY.....	44,046	60,046	63,046	72,446
MARINE CORPS ADVANCED TECHNOLOGY DEMONSTRATION (ATD)...	58,222	77,222	79,222	89,422
NAVY TECHNICAL INFORMATION PRESENTATION SYSTEM.....	167,626	170,626	167,626	169,126
WARFIGHTER PROTECTION ADVANCED TECHNOLOGY.....	16,719	70,719	29,319	67,519
UNDERSEA WARFARE ADVANCED TECHNOLOGY.....	26,515	28,515	33,015	33,415
JOINT WARFARE EXPERIMENTS.....	26	26	26	26
NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS.....	16,006	16,006	16,006	16,006
MINE AND EXPEDITIONARY WARFARE ADVANCED TECHNOLOGY....	32,899	34,899	32,899	34,599
TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT.....	677,172	914,272	856,622	985,672
DEMONSTRATION & VALIDATION				
AIR/OCEAN TACTICAL APPLICATIONS.....	24,431	25,931	24,431	25,431
AVIATION SURVIVABILITY.....	10,820	34,020	31,820	39,820
DEPLOYABLE JOINT COMMAND AND CONTROL.....	42,394	42,394	42,394	42,394
ASW SYSTEMS DEVELOPMENT.....	4,541	12,541	15,541	18,041
TACTICAL AIRBORNE RECONNAISSANCE.....	6,448	6,448	6,448	6,448
ADVANCED COMBAT SYSTEMS TECHNOLOGY.....	67,605	67,605	67,605	67,605
SURFACE AND SHALLOW WATER MINE COUNTERMEASURES.....	103,308	104,308	94,841	100,808
SURFACE SHIP TORPEDO DEFENSE.....	46,896	54,896	50,896	54,296
CARRIER SYSTEMS DEVELOPMENT.....	157,479	164,979	162,479	164,679
SHIPBOARD SYSTEM COMPONENT DEVELOPMENT.....	18,993	33,493	41,993	45,693
PILOT FISH.....	78,223	78,223	78,223	78,223
RETRACT LARCH.....	82,532	82,532	82,532	82,532
RETRACT JUNIPER.....	36,915	36,915	36,915	36,915
RADIOLOGICAL CONTROL.....	946	946	946	946
SURFACE ASW.....	17,633	17,633	21,433	20,033

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		(In thousands of dollars)		
	Budget	House	Senate	Conference
SSGN CONVERSION.....	19,970	19,970	19,970	19,970
ADVANCED SUBMARINE SYSTEM DEVELOPMENT.....	81,160	78,160	93,160	89,260
SUBMARINE TACTICAL WARFARE SYSTEMS.....	5,957	5,957	5,957	5,957
SHIP CONCEPT ADVANCED DESIGN.....	3,723	10,723	21,723	16,323
ADVANCED NUCLEAR POWER SYSTEMS.....	169,733	169,733	169,733	169,733
ADVANCED SURFACE MACHINERY SYSTEMS.....	---	4,000	---	3,400
CHALK EAGLE.....	47,786	47,786	47,786	47,786
LITTORAL COMBAT SHIP (LCS).....	352,089	409,089	352,089	457,089
COMBAT SYSTEM INTEGRATION.....	80,840	81,340	112,540	100,140
CONVENTIONAL MUNITIONS.....	34,151	34,151	34,151	34,151
MARINE CORPS ASSAULT VEHICLES.....	236,969	237,969	249,969	245,669
MARINE CORPS MINE/COUNTERMEASURES SYSTEMS - ADV DEV...	4,522	4,522	4,522	4,522
MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM.....	22,440	27,440	39,140	35,240
JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT.....	18,047	18,047	18,047	18,047
COOPERATIVE ENGAGEMENT.....	103,452	103,452	103,452	103,452
OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT.....	26,232	29,732	26,232	28,832
ENVIRONMENTAL PROTECTION.....	24,641	26,891	27,641	28,391
NAVY ENERGY PROGRAM.....	1,494	3,494	9,494	7,794
FACILITIES IMPROVEMENT.....	1,621	1,621	7,621	4,621
CHALK CORAL.....	58,467	49,367	58,467	58,467
NAVY LOGISTIC PRODUCTIVITY.....	7,421	26,921	7,421	19,621
RETRACT MAPLE.....	275,407	262,407	275,407	273,907
LINK PLUMERIA.....	112,997	104,097	112,997	112,997
RETRACT ELM.....	48,130	48,130	48,130	48,130
SHIP SELF DEFENSE (DEM/VAL).....	9,493	9,493	9,493	9,493
LINK EVERGREEN.....	63,346	63,346	63,346	63,346
SPECIAL PROCESSES.....	44,232	44,232	44,232	44,232
NATO RESEARCH AND DEVELOPMENT.....	10,151	10,151	10,151	10,151
LAND ATTACK TECHNOLOGY.....	82,049	88,586	73,386	101,286
NONLETHAL WEAPONS (DEM/VAL).....	43,321	46,321	43,321	45,871

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	Budget	(In thousands of dollars)		
		House	Senate	Conference
ALL SERVICE COMBAT IDENTIFICATION EVALUATION TEAM.....	13,626	13,626	13,626	13,626
JOINT PRECISION APPROACH AND LANDING SYSTEMS (DEM/VAL)	32,391	32,391	32,391	32,391
SINGLE INTEGRATED AIR PICTURE (SIAP) SYSTEM ENGINEER..	20,252	20,252	20,252	20,252
TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES (TAD	---	3,000	7,000	7,200
DISRUPTIVE TECHNOLOGY OPPORTUNITIES FUND (DТОF).....	---	6,000	---	5,100
COUNTER-DRUG RDT&E PROJECTS.....	---	---	3,000	3,800
SPACE & ELECTRONIC WARFARE (SEW) ARCHITECTURE/ENGINE..	25,943	25,943	25,943	25,943
JOINT WARFARE TRANSFORMATION PROGRAMS.....	22,450	22,450	22,450	22,450
TOTAL, DEMONSTRATION & VALIDATION.....	2,803,667	2,953,654	2,972,737	3,122,504
ENGINEERING & MANUFACTURING DEVELOPMENT				
OTHER HELO DEVELOPMENT.....	186,970	186,970	186,970	186,970
AV-8B AIRCRAFT - ENG DEV.....	12,284	13,284	12,284	13,284
STANDARDS DEVELOPMENT.....	57,675	66,175	57,675	61,875
MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT.....	78,757	82,757	78,757	82,157
AIR/OCEAN EQUIPMENT ENGINEERING.....	4,506	4,506	4,506	4,506
P-3 MODERNIZATION PROGRAM.....	9,554	15,554	10,554	13,554
WARFARE SUPPORT SYSTEM.....	5,201	5,201	5,201	5,201
TACTICAL COMMAND SYSTEM.....	49,180	65,180	49,180	61,480
E-2C RADAR MODERNIZATION.....	597,015	597,015	597,015	597,015
H-1 UPGRADES.....	90,389	132,389	132,389	132,389
ACOUSTIC SEARCH SENSORS.....	13,363	15,363	13,363	14,763
V-22A.....	304,164	253,164	297,164	266,164
AIR CREW SYSTEMS DEVELOPMENT.....	8,838	18,838	12,838	16,638
EA-18.....	357,502	357,502	357,502	357,502
EW DEVELOPMENT.....	48,956	48,956	51,456	50,256
VHXX EXECUTIVE HELO DEVELOPMENT.....	777,398	557,398	557,398	557,398
JOINT TACTICAL RADIO SYSTEM - NAVY (JTRS-NAVY).....	78,624	83,624	78,624	80,624
SC-21 TOTAL SHIP SYSTEM ENGINEERING.....	1,431,585	1,182,785	1,210,469	1,176,469
SURFACE COMBATANT COMBAT SYSTEM ENGINEERING.....	146,463	162,963	146,463	159,963

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		(In thousands of dollars)		
	Budget	House	Senate	Conference
LPD-17 CLASS SYSTEMS INTEGRATION.....	8,988	8,988	8,988	8,988
TRI-SERVICE STANDOFF ATTACK MISSILE.....	27,047	27,047	27,047	27,047
SMALL DIAMETER BOMB (SDB).....	9,961	9,961	9,961	9,961
STANDARD MISSILE IMPROVEMENTS.....	99,022	110,022	112,022	112,022
AIRBORNE MCM.....	50,514	50,514	50,514	51,514
SSN-688 AND TRIDENT MODERNIZATION.....	75,359	103,359	84,959	96,159
AIR CONTROL.....	13,102	13,102	20,102	16,602
ENHANCED MODULAR SIGNAL PROCESSOR.....	1,075	1,075	1,075	1,075
SHIPBOARD AVIATION SYSTEMS.....	28,631	28,631	30,131	29,631
COMBAT INFORMATION CENTER CONVERSION.....	8,228	11,228	8,228	10,728
NEW DESIGN SSN.....	143,270	141,270	208,370	173,170
SSN-21 DEVELOPMENTS.....	3,020	3,020	3,020	3,020
SUBMARINE TACTICAL WARFARE SYSTEM.....	43,404	46,904	49,404	49,004
SHIP CONTRACT DESIGN/ LIVE FIRE T&E.....	130,908	86,728	148,908	137,908
NAVY TACTICAL COMPUTER RESOURCES.....	2,381	13,381	2,381	8,381
MINE DEVELOPMENT.....	6,123	6,123	6,123	6,123
LIGHTWEIGHT TORPEDO DEVELOPMENT.....	9,965	9,965	12,965	11,465
JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT.....	8,081	12,081	8,081	12,481
PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS....	3,005	3,005	3,005	3,005
BATTLE GROUP PASSIVE HORIZON EXTENSION SYSTEM.....	17,981	32,481	19,481	30,281
JOINT STANDOFF WEAPON SYSTEMS.....	9,531	11,531	9,531	11,231
SHIP SELF DEFENSE (DETECT & CONTROL).....	48,154	53,154	68,154	66,754
SHIP SELF DEFENSE (ENGAGE: HARD KILL).....	51,213	51,213	51,213	51,213
SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW).....	28,233	40,233	36,233	43,433
MEDICAL DEVELOPMENT.....	6,942	52,042	32,942	51,292
NAVIGATION/ID SYSTEM.....	28,104	28,104	28,104	28,104
DISTRIBUTED SURVEILLANCE SYSTEM.....	7,776	9,776	13,776	12,676
JOINT STRIKE FIGHTER (JSF) - EMD.....	2,264,507	2,168,507	2,264,507	2,168,507
SMART CARD.....	695	695	695	695
INFORMATION TECHNOLOGY DEVELOPMENT.....	9,301	9,301	9,301	9,301

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	Budget	(In thousands of dollars)		
		House	Senate	Conference
INFORMATION TECHNOLOGY DEVELOPMENT.....	109,543	113,043	106,293	122,543
MULTI-MISSION MARITIME AIRCRAFT (MMA).....	496,029	496,029	496,029	496,029
TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT.....	8,008,517	7,602,137	7,791,351	7,698,551
RDT&E MANAGEMENT SUPPORT				
THREAT SIMULATOR DEVELOPMENT.....	23,866	23,866	23,866	23,866
TARGET SYSTEMS DEVELOPMENT.....	35,677	35,677	35,677	35,677
MAJOR T&E INVESTMENT.....	39,787	43,287	42,787	42,987
STUDIES AND ANALYSIS SUPPORT - NAVY.....	2,183	2,183	2,183	2,183
CENTER FOR NAVAL ANALYSES.....	43,982	43,982	43,982	43,982
FLEET TACTICAL DEVELOPMENT.....	2,338	2,338	2,338	2,338
TECHNICAL INFORMATION SERVICES.....	696	12,196	20,696	26,396
MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT.....	31,407	31,407	31,407	31,407
STRATEGIC TECHNICAL SUPPORT.....	3,493	3,493	3,493	3,493
RDT&E SCIENCE AND TECHNOLOGY MANAGEMENT.....	66,117	66,117	62,317	62,317
RDT&E INSTRUMENTATION MODERNIZATION.....	19,370	19,370	19,370	19,370
RDT&E SHIP AND AIRCRAFT SUPPORT.....	81,308	81,308	81,308	81,308
TEST AND EVALUATION SUPPORT.....	255,926	258,426	255,926	258,026
OPERATIONAL TEST AND EVALUATION CAPABILITY.....	13,044	13,044	13,044	13,044
NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT.....	2,941	2,941	2,941	2,941
SEW SURVEILLANCE/RECONNAISSANCE SUPPORT.....	12,160	13,160	12,160	13,160
MARINE CORPS PROGRAM WIDE SUPPORT.....	19,701	28,101	27,701	31,401
TOTAL, RDT&E MANAGEMENT SUPPORT.....	653,996	680,896	681,196	693,896
OPERATIONAL SYSTEMS DEVELOPMENT				
STRATEGIC SUB & WEAPONS SYSTEM SUPPORT.....	108,782	96,782	107,782	100,682
SSBN SECURITY TECHNOLOGY PROGRAM.....	43,408	43,408	43,408	43,408
SUBMARINE ACOUSTIC WARFARE DEVELOPMENT.....	8,453	13,453	8,453	11,453
NAVY STRATEGIC COMMUNICATIONS.....	31,391	31,391	31,391	31,391
RAPID TECHNOLOGY TRANSITION (RTT).....	14,630	14,630	14,630	14,630
F/A-18 SQUADRONS.....	134,580	136,580	136,580	138,280

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		(In thousands of dollars)		
	Budget	House	Senate	Conference
E-2 SQUADRONS.....	6,055	9,555	16,055	18,755
FLEET TELECOMMUNICATIONS (TACTICAL).....	19,784	22,784	21,284	23,184
TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)...	28,776	31,776	36,776	32,776
INTEGRATED SURVEILLANCE SYSTEM.....	16,965	23,965	21,965	25,165
AMPHIBIOUS TACTICAL SUPPORT UNITS.....	2,604	4,104	2,604	3,704
CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT.....	21,644	24,644	21,644	23,644
CRYPTOLOGIC DIRECT SUPPORT.....	1,460	1,460	1,460	1,460
ELECTRONIC WARFARE (EW) READINESS SUPPORT.....	12,139	12,139	12,139	12,139
HARM IMPROVEMENT.....	163,371	168,371	163,371	167,271
TACTICAL DATA LINKS.....	18,977	18,977	18,977	18,977
SURFACE ASW COMBAT SYSTEM INTEGRATION.....	10,612	22,612	13,612	21,012
MK-48 ADCAP.....	21,620	21,620	21,620	21,620
AVIATION IMPROVEMENTS.....	62,635	82,635	64,635	78,935
NAVY SCIENCE ASSISTANCE PROGRAM.....	3,821	3,821	7,821	7,221
OPERATIONAL NUCLEAR POWER SYSTEMS.....	64,554	64,554	64,554	64,554
MARINE CORPS COMMUNICATIONS SYSTEMS.....	268,638	297,638	267,278	286,788
MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS....	44,828	48,828	48,978	51,928
MARINE CORPS COMBAT SERVICES SUPPORT.....	10,731	10,731	10,731	11,731
TACTICAL AIM MISSILES.....	4,061	1,561	4,061	4,061
ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM).....	9,085	9,085	9,085	9,085
SATELLITE COMMUNICATIONS (SPACE).....	573,092	470,592	473,092	468,992
INFORMATION SYSTEMS SECURITY PROGRAM.....	18,676	18,676	30,676	26,776
COBRA JUDY.....	80,694	80,694	93,694	93,694
NAVY METEOROLOGICAL AND OCEAN SENSORS-SPACE (METOC)...	4,215	4,215	4,215	6,215
JOINT C4ISR BATTLE CENTER (JBC).....	43,569	43,569	43,569	44,669
JOINT MILITARY INTELLIGENCE PROGRAMS.....	4,746	4,746	4,746	4,746
TACTICAL UNMANNED AERIAL VEHICLES.....	53,439	65,439	83,439	80,239
ENDURANCE UNMANNED AERIAL VEHICLES.....	113,438	83,438	113,438	98,438
AIRBORNE RECONNAISSANCE SYSTEMS.....	10,191	11,191	14,191	14,591
MANNED RECONNAISSANCE SYSTEMS.....	20,203	28,203	20,203	27,003

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	Budget	(In thousands of dollars)		
		House	Senate	Conference
DISTRIBUTED COMMON GROUND SYSTEMS.....	3,635	21,298	6,635	13,235
AERIAL COMMON SENSOR (ACS) (JMIP).....	24,909	24,909	24,909	24,909
MODELING AND SIMULATION SUPPORT.....	7,262	7,262	24,762	19,962
INDUSTRIAL PREPAREDNESS.....	56,565	61,565	58,565	60,365
MARITIME TECHNOLOGY (MARITECH).....	10,265	10,265	10,265	10,265
TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT.....	2,158,503	2,153,166	2,177,293	2,217,953
CLASSIFIED PROGRAMS.....	1,003,485	1,003,485	1,003,485	1,003,485
TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY.....	16,346,391	16,532,361	16,748,035	17,043,812

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EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
(In thousands of dollars)

R-1	Budget Request	House	Senate	Conference
1 UNIVERSITY RESEARCH INITIATIVES	83,508	95,008	87,008	92,208
Defense Commercialization Research Initiative (Note: only for the continued development of the Technology Research, Education and Commercialization Center)		+4,000		+4,000
Center for microwave ferrites and multi-functional integrated circuits		+1,000		+1,000
National Security Training		+1,500		+1,000
Center for Southeastern Tropical Advanced Remote Sensing (CSTARS)		+5,000		+2,500
Nanoparticle materials research			+1,500	+1,100
Neural engineering research			+1,500	+1,000
Nanoscience research			+3,000	+1,500
Remote sensing research			+1,000	+1,000
Multifunctional materials for Naval structures			+2,500	+1,600
University research instrumentation program growth			-6,000	-6,000
2 IN-HOUSE LABORATORY INDEPENDENT RESEARCH	17,664	17,664	20,164	19,564
Navy S&T outreach			+2,500	+1,900
3 DEFENSE RESEARCH SCIENCES	375,812	385,812	380,312	384,212
Facial recognition technology research and development		+3,000		+1,600
Intelligent Autonomous Networks & Systems (AINS) (Note: only for Phase III STTR (N02-T015) demonstration and validation of the ad-hoc data communications system for the AINS program)		+1,000		+1,000
Brain-based intelligent system (Note: only for the development of an embedded low-power self-instructive computer system)		+4,000		+2,000
Hydrogen for fuel cells		+2,000		+1,000
Academy for Closing and Avoiding Achievement Gaps			+1,000	+1,000
UNOLS Research Vessel			+3,500	+1,800

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R-1	Budget Request	House	Senate	Conference
4 POWER PROJECTION APPLIED RESEARCH	98,831	125,831	127,831	137,331
Firelaser- a non-thermal means of seeing through fire and smoke		+2,000		+1,700
Kill Assist Adverse-Weather Targeting System (KAATS)		+2,000		+1,700
Device integration of WBG semiconductors and crystalline oxides		+2,000		+1,700
Millimeter/terahertz imaging arrays		+2,500		+2,100
Advanced reactive-material-enhanced nanocomposite warheads (ARMENW)		+3,000		+2,600
Advanced high-energy thermobaric warhead development		+1,000		+1,000
Unattended imaging sensor network (UISN)		+1,000		+1,000
Interrogator for high-speed retro-reflector covert communications		+4,000		+2,000
Advanced hybrid stored energy devices for affordable air weaponry		+3,000		+1,500
Hypersonic weapons enabling capability		+2,000		+1,000
Advanced smart optical sensor payload technology for surveillance		+2,000		+1,000
Integrated personnel protection system		+2,500		+1,200
Integrated Biological Warfare Technology Platform			+7,000	+3,500
Silver Fox Unmanned Aerial Vehicle (UAV)			+5,000	+2,500
Aircraft Carrier Surveillance System			+4,000	+2,800
Combustion Light Gas Gun			+5,000	+4,200
Mobile On-Scene Sensor Aircraft C4I Center				+1,000
Thermal Management Systems for High Density Electronics			+8,000	+6,000

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R-1	Budget Request	House	Senate	Conference
5 FORCE PROTECTION APPLIED RESEARCH	96,269	113,769	150,269	145,069
Battery charging technology (Note: only to continue and expand the existing program to develop advanced battery charging algorithms)		+2,500		+2,100
Lightweight Ship Structures (LSS) (Note: only for an initiative to focus on optimizing and qualifying a family of high strength scandium containing marine grade aluminum alloys)		+1,000		+1,000
Composite repair of metal structures		+1,000		+1,000
High efficiency quiet electric drive		+1,000		+1,000
Blast resistant anechoic sprayable elastomeric coatings for Navy ships		+2,000		+1,000
Low-cost rapid prototype/production technology for polymeric aircraft components initiative (Note: only for completion of this initiative)		+2,000	+4,500	+2,300
Center for critical infrastructure protection		+8,000		+6,800
ADPICAS			+1,500	+1,500
Structural Reliability of FRP Composites in Ship Assemblies			+1,000	+1,000
Hyperspectral Data Fusion			+4,000	+3,400
Unmanned Sea Surface Vehicles for Maritime Missions			+5,000	+3,500
Miniature Autonomous Vehicles (MAVs)			+3,000	+1,800
Integrated Fuel Processor - Fuel Cell System			+3,000	+2,000
Corrosion Modeling Software Project - NAVAIR			+6,000	+4,200
Small Watercraft Propulsion Demonstrator			+3,000	+1,500
Mark V Patrol Boat Replacement Craft Prototype			+3,000	+1,500
PMRF Force Protection Lab			+8,000	+8,000
Project Endeavor			+2,000	+1,700
Composites Development for Navy Low Rise Construction			+3,000	+1,500
Lithium Ion Joint Unmanned Combat Air System Battery (moved to RDT&E, DW, line 34)			+3,000	0
Theater Support Vessel Hull Material Development			+4,000	+2,000
6 MARINE CORPS LANDING FORCE TECHNOLOGY	35,398	36,398	36,898	37,398
Expeditionary Force Infrastructure Initiative (EFI)		+1,000		+1,000
Advanced Lead Acid Battery Development for Military Vehicles			+1,500	+1,000
8 HUMAN SYSTEMS TECHNOLOGY	0	2,000	0	1,500
Human Systems Integration/SEAPRINT		+2,000		+1,500

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R-1	Budget Request	House	Senate	Conference
MATERIALS, ELECTRONICS AND COMPUTER				
9 TECHNOLOGY	0	5,500	0	4,000
Porous materials (Note: only to continue ongoing research into porous material characterization)		+1,500		+1,500
DoD Agile Manufacturing Center for Castings Technology at NUWC Keyport		+1,000		+1,000
Formable aligned carbon thermosets (FACTS)		+3,000		+1,500
10 COMMON PICTURE APPLIED RESEARCH	60,134	72,634	97,634	103,134
National Center for Advanced Secure Systems Research		+5,000		+5,000
SEAdeep		+3,500		+2,500
Web-based technology insertion (Note: only for the Expeditionary Warfare Testbed, NSWC, Panama City)		+1,000		+1,000
Common Sensor Module (COSM)		+3,000		+1,800
AIREP			+12,500	+11,600
Testing, Evaluation and Demonstration of Webster			+3,000	+1,500
M2C2			+7,000	+6,000
NAIF			+6,000	+6,000
Theater Undersea Warfare Initiative			+9,000	+7,600

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R-1	Budget Request	House	Senate	Conference
11 WARFIGHTER SUSTAINMENT APPLIED RESEARCH	63,726	117,926	112,526	131,026
Hydrate desalination technology		+2,500		+2,100
Atmospheric water harvesting		+1,000		+1,000
Novel materials synthesis and characterization		+5,000		+3,500
National Unmanned Undersea Vehicle (UUV) Test and Evaluation Center		+9,000		+5,900
Aluminum fabrication utilizing three-dimensional printing		+2,000		+1,400
Integrated WMD detection and collection system (Note: only to perform applied research, development, test and evaluation to integrate a nuclear, chemical and bio-detection system for multiple mobile applications associated with the Dragon Eye-Advanced Tactical Reconnaissance Program)		+1,000		+1,000
Naval training, performance and expertise		+1,000		+1,000
High performance long lasting LO materials for Navy stealth applications		+5,000		+3,000
Marine Mammal research program		+2,200		+1,100
Cutting tools for aerospace materials		+4,000		+3,400
Biosensors for Defense Applications - autonomous sensor platforms for biosensing		+2,000	+3,000	+2,000
Advanced reinforced materials and new materials research for aircraft tires		+1,000		+1,000
Human systems technology		+2,000		+1,000
Advanced fouling and corrosion control coatings for Naval vessels		+2,000	+8,000	+5,600
SensorNet- common data highway for comprehensive incident management for CBRNE threats		+3,000	+15,000	+12,000
Durability of composite materials and structures		+2,500		+1,300
Partnership Simulation Lab for health professions education		+5,000		+2,500
Virtual Clinical Learning Lab (VCLL) for Nursing and other health professions		+4,000		+2,000
Coating and Polymeric Films for Naval Applications			+1,400	+1,000
Agile Vaccinology Research			+4,000	+3,000
Micro-System Fuze/Safe and Arm Devices			+2,000	+1,000
Titanium Based Liquidmetal Alloy For Advanced Aerospace Applications			+2,000	+1,400
Titanium Matrix Composites			+1,900	+1,600
Rapid Detection and Response Systems for Biodefense			+3,000	+2,100
Optimizing Adaptive Warrior Performance			+3,000	+2,100
Advanced Materials and Intelligent Processing Center			+3,000	+2,100
Motion Coupled Visual Environment (MOCOVE) for Motion Sickness Relief (Transferred from Title IV-DHP)				+1,000
Rapid and Highly Sensitive Detector of Biowarfare Agents			+2,500	+1,200

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R-1	Budget Request	House	Senate	Conference
12 RF SYSTEMS APPLIED RESEARCH	49,151	56,651	65,151	65,351
Wide bandgap materials for power electronics		+2,000		+1,700
Novel silicon carbide technology development		+2,000		+1,000
RF vacuum electronics power amplifiers		+2,000		+1,000
Radar/video fusion vessel and port security demonstration		+1,500		+1,000
Advanced Microwave Ferrite Research for RF Systems			+2,000	+1,200
Gallium Nitrate RF Power Technology			+4,000	+2,000
Pacific Theater Data Fusion Testbed			+3,000	+2,500
High Brightness Electronics			+2,000	+1,500
Maritime Synthetic Range			+5,000	+4,300
OCEAN WARFIGHTING ENVIRONMENT APPLIED				
13 RESEARCH	48,482	73,982	55,482	67,682
Carbon Nanotube-based radiation hard non-volatile RAM		+6,000		+4,500
Coastal environmental effects (Note: only for the development of a program for the exploitation of basic research in marine biosciences, molecular sciences and proteomics to evolve and field a new generation of hypersensitive detectors for deployment as a part of a wide area environmental signatures collection strategy)		+6,000		+4,200
South-East Atlantic Coastal Ocean Observing Systems (SEACOOS) (Note: only to continue the development of an integrated sustained ocean observing system to support safe navigation, maritime operations, and characterization of environmental conditions for training exercises and homeland security)		+5,000	+6,000	+5,000
Oceanographic Sensors for Mine Countermeasures/ Autonomous Marine Sensors (Note: only for continuation of applied research in autonomous marine sensors)		+5,000		+2,500
Bioluminescence Truth Data Management and Signature Detection - expansion of the database of bioluminescence measurements		+1,500		+1,000
Extended Capability Underwater Optic Imaging (Note: only to provide an innovative capability that will support underwater Intelligence, Surveillance and Reconnaissance, Homeland Defense, and environmental assessment)		+2,000		+1,000
Integrated Littoral Sensor Network			+1,000	+1,000
14 UNDERSEA WARFARE APPLIED RESEARCH	64,060	73,560	84,060	85,260
Anti-torpedo Torpedo (6.75 inch diameter) multi-mission undersea weapon		+6,000		+5,100
Micro-detonics for miniature weapons		+1,500	+4,000	+2,800
Galfenol alloys		+2,000		+1,200
Micro Electro Mechanical Systems-Inertial Measurement Units (MEMS-IMU)			+4,000	+2,800
Magnetorestrictive Transduction Research			+5,000	+4,000
Acoustic Glider			+5,000	+4,300
High Powered Ultrasonics/Ship Waste Treatment			+2,000	+1,000

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R-1	Budget Request	House	Senate	Conference
16 POWER PROJECTION ADVANCED TECHNOLOGY	92,359	125,859	125,359	140,459
Advanced thin film coatings		+2,000		+1,700
LADAR- Laser Radar		+2,500		+2,100
High operating temperature midwave infrared sensors		+2,000		+1,700
Ultra-short pulse laser micromachining		+2,000		+1,700
Multi-functional, high-performance dual band imaging		+2,000		+1,700
Advanced technologies for printed wiring assembly fabrication (PWB-HVPC)		+4,000		+3,400
Low-power mega-performance UAV processing engines		+4,000		+2,000
Low cost terminal imaging seeker (Note: only to develop and test guidance and control strategies and seeker signal processing algorithms in a simulation environment)		+5,000		+4,500
DP-2 vectored thrust aircraft program		+10,000		+7,500
Advanced Lifting Body Research Program			+5,000	+5,000
Articulated Stable Ocean Platform			+1,000	+1,000
Quiet High Speed Propulsion			+6,000	+3,600
Free Electron Laser			+3,000	+2,200
Space Surveillance Technology			+5,000	+3,500
Advanced Electric Drives			+3,000	+1,500
High Speed Anti-Radiation Demonstration (HSAD)			+10,000	+5,000

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R-1	Budget Request	House	Senate	Conference
17 FORCE PROTECTION ADVANCED TECHNOLOGY	82,130	166,230	135,480	183,530
Dock Shock -- a ship shock test system (Note: only to mature the Dock Shock concept to conduct near shore ship shock testing)		+5,000		+4,300
Strategic mobility-21 deployment technology (Note: only for the Agile Port and High Speed Ship technology)		+5,000		+4,300
TADIRCM-- antimissile technology		+8,000		+6,800
Unmanned force augmentation system		+1,000		+1,000
Non-line of sight (NLOS) for unmanned systems		+5,000		+4,300
Unmanned systems technologies for explosive ordnance disposal		+5,000		+4,300
Extreme terrain medical evacuation vehicle pilot (Note: only for the development and testing of the Zeus-MEV)		+2,000		+1,700
Missile warning sensor		+3,000		+2,500
Aviation ground navigation system (AGNAS)		+1,000		+1,000
Future Naval capabilities- crew modeling and simulation (FNC-CMS)		+3,000		+2,600
Technologies for future naval capabilities		+1,500		+1,300
Electromagnetic (EM) rail gun test munition (Note: only for the development of an instrumented test munition that will characterize the test projectile designs being developed for the EM rail gun)		+1,500		+1,100
Smart Sensor Web Advanced Technology (Note: only for Phase III of the Smart Sensor Web Advanced Technology Program)		+2,500		+1,800
Superconducting DC homopolar motor		+5,000		+3,700
Project M		+2,500		+1,900
Multi-mission warhead for ultra-light torpedo		+3,000		+2,300
Sandwich panel construction		+5,000	+4,000	+4,000
Development of sulfur tolerant copper-based solid oxide fuel cell (SOFC) auxiliary power unit prototype that operates with current military logistics fuel		+2,000	+1,000	+1,000
Deployable fiber optic force protection system		+3,000		+1,800
High speed permanent magnet generator		+1,000	+10,000	+6,500
AC synchronous high-temperature superconductor (HTS) electric motor (Note: to design, fabricate, and deliver one 36.5 MW HTS motor as a key component of an integrated HTS based propulsion system)		+3,000	+7,000	+3,500
Advanced development and demonstration of electric actuator technology (Note: only for the development of shipboard-qualified prototype electric actuators and demonstrate their satisfactory performance in shipboard applications)		+1,000		+1,000
At-sea decontamination platform development and conceptual design		+1,000		+1,000
Affordable, intermediate modulus commercial off the shelf carbon fiber qualification program for aircraft and missiles		+2,000		+1,000
Integrated advanced communications terminal (iACT)		+1,000		+1,000
Littoral Support Craft- Experimental (Note: only to complete X-Craft fabrication, at-sea 50-knot demonstration, and at-sea LCS mission module demonstration)		+11,100		+10,000

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R-1	Budget Request	House	Senate	Conference
Agile Port and High Speed Ship Technology			+5,000	+5,000
Development of Wide Bandgap Semiconductor Materials			+6,000	+4,500
Large Unmanned Undersea Vehicle (LUUV) Test Bed			+2,500	+1,700
Composite Twisted Rudder			+1,000	+1,000
Braided Reduced Recoil Rope for Hand and Mooring Lines			+1,500	+1,000
High-Speed Power Node Switching Center			+2,000	+1,400
Electromagnetic Propulsion Cost Reduction			+2,000	+1,400
Wave Power Demonstration Project			+4,000	+3,400
Varicraft			+7,350	+6,300
18 COMMON PICTURE ADVANCED TECHNOLOGY	79,521	80,521	83,521	83,921
Dynamic brokering in the expeditionary warfare testbed		+1,000		+1,000
Consolidated undersea situational awareness			+4,000	+3,400
WARFIGHTER SUSTAINMENT ADVANCED 19 TECHNOLOGY	61,103	83,603	91,103	95,203
Intelligence work management (Note: that these funds shall support the transition of this technology to Navy and joint forces operational use)		+2,000		+1,700
Low Volume Productivity		+1,500		+1,500
Asphalt reconditioner (Note: only to facilitate GSB-88 pilot application programs)		+2,000		+1,700
Online web-based learning development program		+3,000		+2,600
Mine warfare technology solutions (MWTS)		+3,000		+2,600
Human Systems Integration/SEAPRINT		+2,000		+1,500
Precision fabrication of large curved steel navy ship structures		+4,000		+2,000
Defense modernization and sustainment initiative		+4,000	+5,000	+4,000
NADEP Cherry Point Center for vertical lift aircraft repair and maintenance technology program		+1,000	+4,000	+2,000
Virtual at-sea training initiative				+1,000
Ultrasonic Consolidation of Matrix Composites			+1,000	+1,000
Automatic Container and Cargo Handling System			+4,000	+2,000
Coffing Protection System			+2,000	+1,400
Expeditionary Logistics for the 21st Century (EXLOG21)			+6,000	+3,000
Integrated Vehicle Health Management System			+3,000	+2,600
HEET			+5,000	+5,000
Program growth				-1,500

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R-1	Budget Request	House	Senate	Conference
20 RF SYSTEMS ADVANCED TECHNOLOGY	44,046	60,046	63,046	72,446
C Band active array radar		+7,500		+6,400
Highly mobile tactical communications (HMTIC)		+3,500		+3,000
Horizon Extension Surveillance System (HESS) (Note: only for use in accelerating the HESS program to provide for increased fleet protection)		+3,000		+2,100
Miniature Automatic Fusion Splicer				+1,000
Remote Ocean Surveillance System (ROSS)		+2,000		+1,500
APY-6 Real Time Precision Targeting Radar			+5,000	+2,500
Common Affordable Radar Processor			+9,000	+7,700
Photonics Prototyping Facility			+5,000	+4,200
MARINE CORPS ADVANCED TECHNOLOGY				
21 DEMONSTRATION (ATD)	58,222	77,222	79,222	89,422
Advanced mine detector system		+3,500		+2,600
Mobile fire support system 120mm Mortar "Dragon Fire"		+2,000		+1,000
Transportable transponder landing system (TTLS)		+4,000		+2,000
Craft Integrated Electronic suite (CIES)		+1,000		+1,000
Telepresent rapid aiming platform (TRAP)		+1,000		+1,000
Rapid deployment fortification wall (RDFW)		+1,000		+1,000
C3RP		+5,500		+4,700
Portable Methanol fuel cell		+1,000		+1,000
Expeditionary Warfare Water Purification			+15,000	+11,500
Study to Identify and Evaluate Alternative Fixed-Wing Lift Platforms			+1,000	+1,000
Excaliber Unmanned Tactical Combat Vehicle			+1,000	+1,000
Project Albert			+4,000	+3,400
NAVY TECHNICAL INFORMATION PRESENTATION				
23 SYSTEM	167,626	170,626	167,626	169,126
Location specific digital fingerprinting (LSDF)		+3,000		+1,500

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R-1	Budget Request	House	Senate	Conference
24 WARFIGHTER PROTECTION ADVANCED TECH	16,719	70,719	29,319	67,519
National Bone Marrow Program		+34,000		+30,000
Navy Medical System Configuration and Test Bed (NMSCTB)		+6,000		+5,100
Nursing telehealth research		+3,000		+2,600
Individual water purification (IWP) program		+4,000	+3,000	+3,000
Implantable middle-ear hearing system		+3,000		+1,500
Organ transplant technology		+4,000		+2,000
Battlefield Pharmaceutical Test			+1,000	+1,000
Anti-Oxidant Micronutrients Program			+600	+600
Hemostatic Research			+1,000	+1,000
Tissue and Limb Transplantation Medical Technology Development			+5,000	+2,500
Blood and Fluid Infusion/Transfusion Technology			+2,000	+1,500
25 UNDERSEA WARFARE ADVANCED TECHNOLOGY	26,515	28,515	33,015	33,415
Littoral AWS Mission for Rigid Hull-Inflatable Boat (RHIB) (Note: only for adaptation and testing of a Variable Depth Sonar system ASW mission package payload for the RHIB)		+2,000		+1,000
Hawaii Undersea Vehicle Test and Training Environment			+3,000	+2,600
Sea Test for Towed Acoustic Arrays			+2,000	+2,000
SAUVIM			+1,500	+1,300
MINE AND EXPEDITIONARY WARFARE ADVANCED TECHNOLOGY				
28	32,899	34,899	32,899	34,599
Modeling the warrior as a cognitive system - Phase II		+2,000		+1,700
30 AIR/OCEAN TACTICAL APPLICATIONS	24,431	25,931	24,431	25,431
Marine mammal tracking and mitigation (Note: only to develop and deploy technologies to mitigate marine mammal presence and allow the Navy to safely operate active sonar systems in regions of interest to national security)		+1,500		+1,000

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R-1	Budget Request	House	Senate	Conference
31 AVIATION SURVIVABILITY	10,820	34,020	31,820	39,820
Modular Advanced Vision System (Note: to decrease logistics costs by pilots retaining the same basic helmet inner module for use with various outer modules)		+4,200		+3,200
Modular Advanced Vision System- smart vision system visor				+1,000
Airbag attenuated troop seat		+2,500		+2,100
Rotocraft External Airbag Protection (REAPS)		+1,000	+5,500	+3,800
Advanced maritime technology center at Patuxent River NAS		+2,500		+1,900
Silver Fox UAV (NAVAIR)		+5,000	+5,000	+5,000
Intelligent Autonomy Technology Transition Program		+5,000		+2,500
Equipment Life Extension Program		+3,000		+1,500
Intelligent Control System for SWARM			+4,500	+3,800
Integrated Manifold and Tube Ceramic Oxygen Generator			+6,000	+4,200
33 ASW SYSTEMS DEVELOPMENT	4,541	12,541	15,541	18,041
Tactical E-Field Buoy Development Program (Note: only for Air ASW Technology Development program to support the design, fabrication and testing of a tactical E-field buoy for littoral anti-submarine warfare)		+5,000		+3,700
Claymore Marine		+1,000	+6,000	+4,200
Shallow water sensor buoy technology (Note: only for developmental efforts to assess the shallow water environment by measuring the sound velocity profile, ambient noise, acoustic transmission loss and reverberation, with a buoy signal processing and satellite communications)		+2,000		+1,300
LASH ASW, EPAS, and IR			+5,000	+4,300
SURFACE AND SHALLOW WATER MINE				
36 COUNTERMEASURES	103,308	104,308	94,841	100,808
Battlespace preparation autonomous undersea vehicles for mine countermeasures		+1,000		+1,000
Surface Navy Integrated Undersea Tactical Technology- Mine Warfare			+3,000	+1,500
Long-Term Mine Reconnaissance System			-11,467	-5,000
37 SURFACE SHIP TORPEDO DEFENSE	46,896	54,896	50,896	54,296
AN/SLQ-25 torpedo countermeasure set upgrades		+4,000		+3,400
Anti-torpedo torpedo (ATT) (Note: only for continued development of low cost ATT components)		+4,000	+4,000	+4,000

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R-1	Budget Request	House	Senate	Conference
38 CARRIER SYSTEMS DEVELOPMENT	157,479	164,979	162,479	164,679
Sentinel Net for anti-terrorism and force protection forces		+1,500		+1,100
Surface ship composite moisture separators (Note: only for the design, development, testing and manufacture of composite radar absorbing moisture separators)		+4,000		+2,400
Aviation ship integration center		+2,000	+5,000	+3,700
39 SHIPBOARD SYSTEM COMPONENT DEVELOPMENT	18,993	33,493	41,993	45,693
Automated maintenance environment (AME)		+3,000		+2,600
Shipboard use of alternative composition pipes		+2,000		+1,700
Shipboard personal locator beacon		+3,500		+2,300
Electromagnetic Launcher Railgun program (Note: to build and demonstrate the EML)		+3,000		+1,500
Intelligent systems consortium initiative		+3,000		+1,500
Amorphous Metal Permanent Magnet Generator Set			+3,000	+1,500
Carbon Foam			+5,000	+4,200
DDX Ship System Power Electronics Technologies			+2,000	+1,400
Galley Food Waste Disposal System			+1,000	+1,000
MTTC/IPI and NSTC Shipboard System Component Development			+8,000	+6,000
Shipboard Wireless Maintenance Assistant (SWMA)			+4,000	+3,000
44 SURFACE ASW	17,633	17,633	21,433	20,033
Improved Surface Vessel Torpedo Launcher			+2,800	+1,400
Surface Ship Combat System Warfighting Enhancements			+1,000	+1,000
46 ADVANCED SUBMARINE SYSTEM DEVELOPMENT	81,160	78,160	93,160	89,260
MK-48 ADCAP torpedo improvement program		+3,000		+2,100
Fiber optic TB-16 towed array		+3,000		+1,600
Specialty optical fiber with embedded sensors				+2,000
Improved tactical control in submarine systems (Note: only for incorporation of Submarine Combat System improvements into the APB(T) build process)		+1,000		+1,000
Development and demonstration of UUV in submarine operations		-10,000		-5,000
Advanced Composite structure program			+2,000	+1,400
Submarine payloads and sensors program			+10,000	+5,000

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R-1	Budget Request	House	Senate	Conference
48 SHIP CONCEPT ADVANCED DESIGN	3,723	10,723	21,723	16,323
Total Fleet Support (TFS)		+2,000		+1,700
SEALION Cascading Vehicles (Note: only to initiate a demonstration of advanced capabilities for covert insertion of manned and unmanned assets from a medium-range maritime platform.)		+5,000	+13,000	+8,400
Integrated Condition Assessment System (ICAS)			+5,000	+2,500
51 ADVANCED SURFACE MACHINERY SYSTEMS	0	4,000	0	3,400
Metallic materials advanced development and certification		+4,000		+3,400
53 LITTORAL COMBAT SHIP (LCS)	352,089	409,089	352,089	457,089
Phase I design for Flight 1 ship		-50,000		-2,000
Fully fund first Flight 0 ship		+107,000		+107,000
54 COMBAT SYSTEM INTEGRATION	80,840	81,340	112,540	100,140
Laser augmented ship self-defense		+2,000		+1,700
High energy laser application effects		+2,000		+1,700
Application of novel laser systems on optical seekers		+1,000		+1,000
Battleforce interoperability (Note: only for assessment activities of the Joint Warfare Assessment Laboratory of the Naval Surface Warfare Center)		+2,500		+1,300
Advanced laser diode arrays (ALDA) (Note: only for the continued development of the ALDA in support of the Navy's High Energy Laser program)		+3,000		+1,500
Re-alignment of advance processor builds (see R-1 line 108)		-10,000		-10,000
Transportable Laser Induced Plasma Channel (LIPC)				
Demonstration System			+18,000	+12,600
MDETEC			+2,000	+2,000
Context-adaptable Autonomous and Remote Unmanned System Operation			+5,000	+2,500
Trouble Reporting Information Data Warehouse			+2,000	+1,000
Unexploded Ordnance Detection Airborne Ground Penetrating Radar (GPR)			+4,700	+4,000

R-1	Budget Request	House	Senate	Conference
56 MARINE CORPS ASSAULT VEHICLES	236,969	237,969	249,969	245,669
Expeditionary Fighting Vehicle (EFV) MK46 stabilized weapon system, FLIR upgrade		+1,000		+1,000
FLIR Thermal Imager			+6,000	+4,200
Regenerative Filtration Technology for EFV			+7,000	+3,500
58 MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM	22,440	27,440	39,140	35,240
ITAS (Tow Missile Rods)		+5,000		+2,500
Clearing Facilities with Novel Technology			+3,400	+2,200
Anti Armor Weapon System - Heavy (AAWS-H)			+4,000	+2,000
Urban Operations Environmental Laboratory			+6,400	+4,200
Urban Operations Nonlethal and Scalable Weaponization			+2,900	+1,900
61 OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT	26,232	29,732	26,232	28,832
SURA Coastal Ocean Observation Program (SCOOP)		+3,500		+2,600
62 ENVIRONMENTAL PROTECTION	24,641	26,891	27,641	28,391
Anoxia research in Puget Sound		+2,000		+1,400
COMNAVMAR Invasive Species demonstration program		+250		+250
Integrated Marine Mammal Monitoring and Protection System			+3,000	+2,100
63 NAVY ENERGY PROGRAM	1,494	3,494	9,494	7,794
1 Megawatt Molten Carbonate Fuel Cell Demonstrator		+2,000	+5,000	+3,500
Proton Exchange Membrane Fuel Cell Trial			+3,000	+2,800
64 FACILITIES IMPROVEMENT	1,621	1,621	7,621	4,621
Playas Instrumentation Network Design & Development			+6,000	+3,000
65 CHALK CORAL	58,467	49,367	58,467	58,467
66 NAVY LOGISTIC PRODUCTIVITY	7,421	26,921	7,421	19,621
Collaborative logistics productivity		+5,000		+4,200
Navy Logistics Research Readiness Center (NLRRC) (Note: only to establish a NLRRC to focus government, academic and industry expertise toward developing and instituting Readiness Based Sparing (RBS) tools and processes)		+1,500		+1,000
Joint Engineering Data Management Information and Control System (JEDMICS)		+3,000		+2,000
Life cycle savings through machinery health monitoring (Note: only to continue the development of technologies needed to implement condition-based maintenance practices)		+4,000		+2,000
Service-Life Extension of Avionics Legacy Equipment with Guaranteed System (SEALEGS) software (Note: only for technology based on a successful Navy Dual Use Science and Technology Program for SEALEGS compatible mission computer)		+4,000		+2,000
Defense Integrated Technical Data Center (DITCDC)		+2,000		+1,000

R-1	Budget Request	House	Senate	Conference
67 RETRACT MAPLE	275,407	262,407	275,407	273,907
68 LINK PLUMERIA	112,997	104,097	112,997	112,997
74 LAND ATTACK TECHNOLOGY	82,049	88,586	73,386	101,286
Advanced XLR medium caliber gun demonstrator		+4,000		+3,400
Affordable Weapon System (Note: only to complete AWS development and preparation for production)		+23,000		+20,000
Extended Range Guided Munition (ERGM)		-11,800		-6,800
57mm gun qualification and test (moved from WPN, line 32)				+11,300
Realign JFN/JSIPS-N (see R-1 line 201)		-8,663	-8,663	-8,663
75 NONLETHAL WEAPONS - DEM/VAL	43,321	46,321	43,321	45,871
National Center for Excellence for Non-Lethal Technology Research, Development, Testing and Training		+3,000		+2,550
79 COUNTERDRUG RDT&E PROJECTS	0	0	3,000	3,800
Research of Frequency Selective Surfaces and Thermal Signatures - INEEL			+3,000	+1,800
Volume Point Sensors (moved from Drug Interdiction and Counter-Drug Activities, Defense)				+2,000
DISRUPTIVE TECHNOLOGY OPPORTUNITIES FUND				
79 (a) (DTOF)	0	6,000	0	5,100
TACTICAL AIR DIRECTIONAL INFRARED				
80 COUNTERMEASURES (TADIRCM)	0	3,000	7,000	7,200
For additional assets and spares to accomplish testing in a flight scenario		+3,000		+2,300
Early Operational Assessment			+7,000	+4,900
84 AV-8B AIRCRAFT - ENG DEV	12,284	13,284	12,284	13,284
Litening pod downlink development program (LPDD) to design, build, test and field video downlink upgrades		+1,000		+1,000
85 STANDARDS DEVELOPMENT	57,675	66,175	57,675	61,875
Navy/Marine Corps advanced measurement standards R&D (Note: only for the development of advanced measurement standards and metrology systems to support the Navy and Marine Corps testing needs)		+8,500		+4,200
MULTI-MISSION HELICOPTER UPGRADE				
86 DEVELOPMENT	78,757	82,757	78,757	82,157
Multi-mission helicopter legacy subsystems improvement program		+2,000		+1,700
AQS-22 Airborne Low-Frequency Sonar (ALFS)		+2,000		+1,700

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R-1	Budget Request	House	Senate	Conference
89 P-3 MODERNIZATION PROGRAM	9,554	15,554	10,554	13,554
ALR-95 electronic support measures (ESM) system specific emitter identification (SEI) networking & performance enhancement upgrade		+3,000		+1,500
ALR-95 Radar Frequency Distribution (RFD) upgrade		+3,000		+1,500
Personal Digital Assistant Maintenance Application Project			+1,000	+1,000
91 TACTICAL COMMAND SYSTEM	49,180	65,180	49,180	61,480
Tactical 3D common operational picture (T3DCOP)		+3,000		+2,600
AN/UYQ-70 based IT-21 C4ISR upgrades		+5,000		+4,200
Joint Mission Planning System (JMPS)		+6,000		+4,200
Nonlinear Systems Research Center		+2,000		+1,300
93 H-1 UPGRADES	90,389	132,389	132,389	132,389
AH-1/UH-1 Tailboom/turned exhaust		+42,000	+42,000	+42,000
94 ACOUSTIC SEARCH SENSORS	13,363	15,363	13,363	14,763
Littoral acoustic anti-submarine warfare acoustics (Note: only for P-3 controller software upgrades to exploit ASW enhancements)		+2,000		+1,400
95 V-22A	304,164	253,164	297,164	266,164
Test schedule delays		-51,000	-15,000	-42,000
V-22 Environmental Control System Upgrade			+8,000	+4,000
96 AIR CREW SYSTEMS DEVELOPMENT	8,838	18,838	12,838	16,638
Night vision tube technology development		+2,000		+1,700
Light weight armored troop seat (SWATS) for H-60		+2,000		+1,000
Joint helmet mounted cueing system (JHCMS)		+6,000	+4,000	+5,100
98 EW DEVELOPMENT	48,956	48,956	51,456	50,256
IR Signature Reduction to Mitigate Terrorist Missile Threat			+2,500	+1,300

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R-1		Budget Request	House	Senate	Conference
99	VHXX EXECUTIVE HELO DEVELOPMENT	777,398	557,398	557,398	557,398
	Program schedule revision		-220,000	-220,000	-220,000
100	JOINT TACTICAL RADIO SYSTEM - NAVY (JTRS-NAVY)	78,624	83,624	78,624	80,624
	Web-based technology insertion for expeditionary warfare testbed		+1,000		0
	Digital modular radio (DMR) (Note: only for the JTRS-M/F Block 1 DMR transition)		+4,000		+2,000
101	SC-21 TOTAL SHIP SYSTEM ENGINEERING	1,431,585	1,182,785	1,210,469	1,176,469
	DD(X) alternative engine- for completion of engine construction and delivery for testing		+13,000		+9,500
	Floating area network (FAN)- installation of wireless communication equipment (moved to line 168)		+1,000		0
	Naval smartships that anticipate and manage (Note: for research activity at the Crane Surface Warfare Center for Joint Distance Support and Response and Integrated Fleet Support)		+2,000		+1,000
	Other developmental efforts				-44,500
	DD(X) construction		-221,000	-221,116	-221,116
	Anticipated delay in CDR based on direction to complete EDM testing of IPS and AGS		-43,800		0
	SURFACE COMBATANT COMBAT SYSTEM				
102	ENGINEERING	146,463	162,963	146,463	159,963
	Silicon carbide MMIC producability program		+3,500		+3,000
	AN/SPY-1 Radar system readiness improvement		+4,000		+3,400
	Integrated display and enhanced architecture for a family of displays		+5,000		+4,300
	Smart Integrated Data Environment (SIDE) (Note: only for development of a prototype)		+1,000		+1,000
	AEGIS traveling wave tube circuit (Note: only to pursue competitive suppliers of critical material for circuits)		+3,000		+1,800
106	STANDARD MISSILE IMPROVEMENTS	99,022	110,022	112,022	112,022
	Insensitive munition improvements, leveraging government and industry investments		+5,000	+5,000	+5,000
	Real time image processing - Silicon Brain - for developing a high-performance, vision-based processor for missile interceptors		+3,000		+1,500
	MK41 VLS open architecture upgrades		+3,000	+3,000	+3,000
	Advanced Missile Data Link			+5,000	+3,500

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R-1	Budget Request	House	Senate	Conference
107 AIRBORNE MCM	50,514	50,514	50,514	51,514
Countermine LIDAR UAV-Based System (CLUBS)				+1,000
108 SSN-688 AND TRIDENT MODERNIZATION	75,359	103,359	84,959	96,159
Re-alignment of advance processor builds to continue MPP/ARCI SBIR Phase III technology insertion (see R-1 line 54)		+10,000		+10,000
Common Submarine Radio Room (moved to R-1 line 113)		+8,000		0
Littoral Tactical Array System (Note: only to leverage investment made in towed sensor technology, COTS electronics and APB process to complete the Littoral Tactical Array System development)		+1,000		+1,000
ARCI/APB/MPP (Note: only to continue the MPP/APB SBIR phase 3 technology insertion)		+8,000		+4,000
Littoral TB-23 towed array		+1,000	+5,000	+3,500
Littoral Array			+4,600	+2,300
109 AIR CONTROL	13,102	13,102	20,102	16,602
Transportable Transponder Landing System			+7,000	+3,500
111 SHIPBOARD AVIATION SYSTEMS	28,631	28,631	30,131	29,631
Synthetic Material Arresting Cable			+1,500	+1,000
112 COMBAT INFORMATION CENTER CONVERSION	8,228	11,228	8,228	10,728
Integrated display and enhanced architecture for integrated tactical command and control cell (ITC3)		+3,000		+2,500
113 NEW DESIGN SSN	143,270	141,270	208,370	173,170
Shipboard wireless mobile computing environment (Note: only for the continued development of shipboard wireless mobile computing environment initiated under SBIR N99-106)		+2,000		+1,700
Submarine common electronics equipment replacement		+7,000		+4,000
Virginia Class SSN Combat System Technology Insertion SBIR(S) N96-278 and N03-049		+2,000		+1,700
HM&E automation and manning reduction technology insertion (SBIR N03-049)		+2,000		+1,000
Virginia Class SSN Combat System Technology Insertion (Note: only for VA Class SSN MPP SBIR phase 3)		+5,000		+2,500
Non-tactical data processing system (Note: only for the maintenance, administrative, training, education and supply processing system- MATES- project)		+4,000		+2,000
Enhanced submarine open architecture model		+3,000		+1,500
Multi-mission modules for additional VA Class payload capacity and flexibility		+5,000	+40,000	+20,000
Re-align base funding to fiscal year 2004 level		-32,000		-20,000
Submarine COTS Web Enabled Service Toolkit			+5,000	+3,500
Submarine Information Assurance			+2,000	+1,500
Common Submarine Radio Room			+13,100	+8,000
Large Aperture Bow Array			+5,000	+2,500

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R-1	Budget Request	House	Senate	Conference
115 SUBMARINE TACTICAL WARFARE SYSTEM	43,404	46,904	49,404	49,004
Submarine maintenance free operating periods (MFOP) (Note: only for the application of MFOP concepts as the supportability strategy for the Tactical Control System)		+1,000		+1,000
Submarine warfare system (SWS) weapon status control, remote maintenance and FORCEnet integration		+2,500		+1,600
Submarine Warfare System Strike Weapon Status Control			+6,000	+3,000
116 SHIP CONTRACT DESIGN/LIVE FIRE T&E	130,908	86,728	148,908	137,908
LHA Replacement		-44,180		0
Cruiser Modernization				-13,000
Integrated Modernization Environment				+2,000
Dedicated Ocean Exploration Research Vessel			+18,000	+18,000
117 NAVY TACTICAL COMPUTER RESOURCES	2,381	13,381	2,381	8,381
AN/UUQ-70(V) system technology improvements		+7,000		+4,000
Compact ultra-fast laser system development		+4,000		+2,000
120 LIGHTWEIGHT TORPEDO DEVELOPMENT	9,965	9,965	12,965	11,465
Mk 54 Torpedo			+3,000	+1,500
JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	8,081	12,081	8,081	12,481
Magneto Inductive Signaling Device (MISC)		+4,000		+3,400
Anti-Terrorist Explosive Ordnance Disposal (EOD)				+1,000
BATTLE GROUP PASSIVE HORIZON EXTENSION SYSTEM	17,981	32,481	19,481	30,281
Shipboard information warfare exploit		+5,000		+4,300
Airborne communications intercept pod (ACIP)		+2,000		+1,700
Smart Signal Parser and actionable intelligence extractor (SSP AIE)		+4,500		+3,200
Ships Signal Exploitation Equipment (SSEE)		+1,000		+1,000
Anti-Terrorism Technology Surveillance System (ATTSS)		+1,000	+1,500	+1,100
Navy Intelligent Agent Security Module- for research and development of offensive capabilities		+1,000		+1,000
126 JOINT STANDOFF WEAPON SYSTEMS	9,531	11,531	9,531	11,231
Joint Standoff Weapon (JSOW), AGM-154		+2,000		+1,700
127 SHIP SELF DEFENSE (DETECT CONTROL)	48,154	53,154	68,154	66,754
Integrated display and enhanced architecture for Carrier and LH Class based combat systems		+4,000		+3,400
Underwater intrusion detection sonar		+1,000		+1,000
Integrated Radar Optical Surveillance and Sighting System (IROSS)			+12,000	+10,200
Autonomous Unmanned Surface Vessel (AUSV)			+3,000	+1,500
Directed Energy User Scrutiny Equipment (DEUSE)			+5,000	+2,500

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R-1	Budget Request	House	Senate	Conference
129 SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW)	28,233	40,233	36,233	43,433
Surface ship electronic warfare (EW) R&D improvements (Note: only for surface ship EW SBIR Phase III improvements)		+12,000		+10,200
Shipboard Leveraged Electronic Warfare System (SLEWS) NULKA			+5,000 +3,000	+3,500 +1,500
130 MEDICAL DEVELOPMENT	6,942	52,042	32,942	51,292
Somatic Cell Processing Program (Diabetes research)		+1,600		+1,400
Military dental research		+4,000		+3,400
Health Query and Analysis System		+4,000		+3,400
Discovery, early detection, evaluation, treatment and prevention in Cancer research (Note: only for the continued coordinated efforts among the National Naval Medical Center and a medical academic/research institute to conduct basic and clinical research to detect, evaluate, treat and prevent multiple types of cancer)		+7,000		+7,000
Medical Procedures Reference Tool (MPRT)		+4,000		+3,400
Room-elevated-temperature-stable Hemoglobin-based oxygen carrier		+4,000	+10,000	+7,000
Acceleration of clinical trial for hemostatic therapeutic		+3,000		+1,500
Antioxidant micronutrient research (moved to line 183)		+1,000		0
Biomedical research imaging core related to bone marrow transplantation, breast and prostate cancer		+5,000		+2,500
Community hospital telehealth consortium		+1,500		+1,000
Hemocellular therapeutics		+1,000		0
Minimally Invasive Surgical Technology Institute (MISTI) (Note: only to continue the ongoing CSMC Program)		+3,500	+3,000	+3,000
Non-invasive vectored vaccine research		+2,500		+1,250
SEE-RESCUE distress streamer		+3,000	+3,000	+3,000
Multivalent Dengue Vaccine Program			+4,000	+2,000
Coastal Cancer Prevention			+5,000	+3,500
Rare Blood Program			+1,000	+1,000
132 DISTRIBUTED SURVEILLANCE SYSTEM	7,776	9,776	13,776	12,676
CENTURION surveillance prototype demonstration		+1,000	+6,000	+3,900
Network centric warfare enabled off-board sensor		+1,000		+1,000

R-1	Budget Request	House	Senate	Conference
133 JOINT STRIKE FIGHTER (JSF) - EMD	2,264,507	2,168,507	2,264,507	2,168,507
Align engine development with SDD schedule		-49,000		-49,000
FY 2003/04 reprogramming activity		-25,000		-25,000
Manufacturing, Tooling, Materials		-60,000		-60,000
Engineering activities		+26,000		+26,000
Future weight reduction initiatives		+12,000		+12,000
Joint Strike Fighter STOVL Lift Fan			[15,000]	[8,000]
136 INFORMATION TECHNOLOGY DEVELOPMENT	109,543	113,043	106,293	122,543
Continuation of software development for Military and Civilian applications		+2,500		+2,100
Information technology development-- Distance Learning IT Center		+8,000		+6,800
WeCan: Web centric ASW net		+5,000		+4,300
Navy Readiness Response Center (RRC)		+3,000		+2,600
Fiber optic components for military applications		+2,500		+2,100
Fiber optic interconnect technology		+2,000		+1,700
Navy law enforcement information exchange (LiNX) (Note: only for the Navy Law Enforcement Exchange System for force protection at Pearl Harbor, Hampton Roads, and Puget Sound)		+5,000		+4,200
NAVAIR maintenance data warehouse		+3,000		+2,200
Vigilant Network Centric Security Data System				+500
Enterprise resource planning		-27,500	-20,000	-25,000
Digital Access of NCIS Records			+1,750	+1,500
SPAWAR Information Technology Center			+10,000	+6,500
Virtual Perimeter Monitoring System			+5,000	+3,500
142 MAJOR T&E INVESTMENT	39,787	43,287	42,787	42,987
Adapting Fleet support and readiness training for a transforming Fleet		+2,000	+3,000	+2,100
Upgrade and enhance instrumentation and integrated range support at Patuxant River Naval Air Station and Webster Field in support of UAV and UCAV testing		+1,500		+1,100
147 TECHNICAL INFORMATION SERVICES	696	12,196	20,696	26,396
Illinois Technology Transition Center		+1,500		+1,300
Center for Commercialization of Advanced Technology		+8,000		+6,800
Supply chain practices for affordable Navy systems (SPANS)		+2,000		+1,000
Pacific Based Joint Information Technology Center			+9,000	+8,500
HTDV			+5,000	+4,200
Integrated Manufacturing Enterprise			+6,000	+3,900
150 RDT&E SCIENCE AND TECHNOLOGY MANAGEMENT	66,117	66,117	62,317	62,317
Unjustified Growth			-3,800	-3,800
153 TEST AND EVALUATION SUPPORT	255,926	258,426	255,926	258,026
Protective pumice technology (Note: only to accelerate further development and testing of pumice walls)		+2,500		+2,100
156 SEW SURVEILLANCE/RECONNAISSANCE SUPPORT	12,160	13,160	12,160	13,160
Radiant Sunrise development, integration, deployment		+1,000		+1,000

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R-1	Budget Request	House	Senate	Conference
157 MARINE CORPS PROGRAM WIDE SUPPORT	19,701	28,101	27,701	31,401
Marine Corps Corrosion Center of Excellence		+2,000		+1,400
Expeditionary Warfare Logistics Testbed (EWLT)		+3,000		+2,600
USMC Cost of Readiness (COR) Initiatives		+1,000		+1,000
Multi-Sensor Analyzer-Detector (MSAD) III		+2,000		+1,700
Odor Signature Reduction Baselayer Garment evaluation		+400		+400
Field Rapid Assay Biological System			+5,000	+2,500
Chemical Warfare Agent Detector Badge			+3,000	+2,100
161 STRATEGIC SUB & WEAPONS SYSTEM SUPPORT	108,782	96,782	107,782	100,682
Trident II (D-5) - excessive growth; reduce level of effort		-22,000		0
Advanced conventional strike capability demonstration		+10,000	+15,000	+10,000
Thin Plate Pure Lead Technology in Submarine Batteries			+7,000	+4,900
Strategic Propulsion Applications			-18,000	-18,000
Radiation Hardened Applications			-5,000	-5,000
163 SUBMARINE ACOUSTIC WARFARE DEVELOPMENT	8,453	13,453	8,453	11,453
Submarine littoral warfare weapon		+5,000		+3,000
166 F/A-18 SQUADRONS	134,580	136,580	136,580	138,280
Screen display system (Note: only to support continued development, integration and qualification testing of a screen display system)		+1,000		+1,000
Military flight operations quality assurance/flight data analysis		+1,000		+1,000
Military Rapid Response Command Information System			+2,000	+1,700
167 E-2 SQUADRONS	6,055	9,555	16,055	18,755
Non-cooperative combat identification capability		+2,000		+1,700
Magneto Rheological Shock Engine Mount				+1,000
E-2C Hawkeye aircraft propeller safety and reliability				+1,000
E-2C Program Support Activity (Note: only for expanding planned Product Support Activity in order to facilitate the development of Open Architecture software techniques)		+1,500		+1,100
Airborne Data Terminal Set (DTS) With Embedded Encryption			+4,000	+2,800
Network Centric Warfare Testbed			+6,000	+5,100
168 FLEET TELECOMMUNICATIONS (TACTICAL)	19,784	22,784	21,284	23,184
Programmable Integrated Communications Terminals (PICTS)		+2,000		+1,400
MRC-105 emergency radio (Note: for engineering and development of a complete portable emergency communications system)		+1,000		+1,000
Floating Area Network			+1,500	+1,000
TOMAHAWK AND TOMAHAWK MISSION PLANNING				
169 CENTER (TMPC)	28,776	31,776	36,776	32,776
Precision Terrain Aided Navigation (PTAN)		+3,000	+8,000	+4,000
Titanium Matrix Composites (TMC) for warhead applications				

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R-1	Budget Request	House	Senate	Conference
170 INTEGRATED SURVEILLANCE SYSTEM	16,965	23,965	21,965	25,165
MSS Mission planning, automation and adaptive bandwidth management		+7,000		+4,900
Fiber Optic Fixed Surveillance System			+5,000	+3,300
171 AMPHIBIOUS TACTICAL SUPPORT UNITS	2,604	4,104	2,604	3,704
Improved Navy lighterage system Causeway Ferry, extended capability (INLS CF-X)		+1,500		+1,100
172 CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT	21,644	24,644	21,644	23,644
Total ship training system (TSTS) - Training Exercise and Management System (TEAMS)		+1,000		+1,000
SH-60B Hellfire Sea Target Laser Aim Scoring System (STLASS)		+2,000		+1,000
175 HARM IMPROVEMENT	163,371	168,371	163,371	167,271
Spectral beam combining fiber lasers		+1,000		+1,000
AARGM Development		+2,500		+1,800
Embedded National Tactical Receiver Integration with Advanced Anti-Radiation Guided Missile (AARGM)		+1,500		+1,100
177 SURFACE ASW COMBAT SYSTEM INTEGRATION	10,612	22,612	13,612	21,012
Surface ship ASW R&D improvements (SQQ-89) (Note: only for Surface Ship MPP SBIR Phase III Improvements)		+10,000		+7,500
Common surface and undersea warfare - standardize essential undersea warfare functionality and performance capabilities		+2,000		+1,400
Marine Mammal Detection and Mitigation			+3,000	+1,500
179 AVIATION IMPROVEMENTS	62,635	82,635	64,635	78,935
Automated wire analysis (AWA)		+5,000		+4,300
Nano-composite hard-coat for aircraft canopies (Note: only to support the development of nano-composite hard-coat materials for use on aircraft windscreens and canopies)		+3,000		+2,300
Center for Defense Sustainment Technology		+1,000		+1,000
Development of next generation technology for the inspection of aircraft engines, diagnostics and repair		+5,000		+3,300
Age exploration model validation and enhancement (Note: only to provide full functionality and rigorous validation of an Age Exploration Model for Naval aircraft platforms to ascertain the relationship between aging characteristic and reliability, maintainability, and readiness issues)		+4,000		+3,000
Digital integrated cockpit display system for the TH-57		+2,000		+1,000
Corrosion Inhibiting Coatings			+2,000	+1,400

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R-1	Budget Request	House	Senate	Conference
180 NAVY SCIENCE ASSISTANCE PROGRAM	3,821	3,821	7,821	7,221
LASH MCM/ISR			+4,000	+3,400
182 MARINE CORPS COMMUNICATIONS SYSTEMS	268,638	297,638	267,278	286,788
Metamodel		+3,000		+1,500
Advanced Ferrite Antenna (AFA)		+1,000	+3,000	+2,100
Miniaturized Combat Identification System		+1,000		+1,000
Marine Corps Communication Systems - AN/TPS-59		+4,000		+2,600
Marine Corps Wideband Communications		+5,000		+4,250
Next Generation Mobile Electronic Warfare Support		+4,000		+3,400
USMC Hitchhiker		+2,000		+1,700
Display Technology Program (Note: only to continue ongoing Display Technology Program)		+2,000		+1,700
Marine Airborne Re-Transmission System (MARTS)		+4,000		+3,400
Covert SIGINT for Urban Warfare (XR-2000 Receiving System)		+3,000		+1,500
Critical Infrastructure Protection Center			+3,000	+1,500
Coastal Battlefield Reconnaissance and Analysis			-10,360	-9,600
Improved Ground Based Transportable Radar			+3,000	+2,100
U.S. Marine Corps Electronic Battlefield Fusion				+1,000
MARINE CORPS GROUND COMBAT/SUPPORTING				
183 ARMS SYSTEMS	44,828	48,828	48,978	51,928
Advanced Integrated Digital Camera Rifle Scope (ADCRS)		+1,000		+1,000
USMC LAV integrated digital and collaboration environment service net		+2,000		+2,000
Complimentary Metal Oxide Semiconductor (CMOS)				
Machine Vision Readout		+1,000		+1,000
Marine Advanced Combat Suit (MACS)			+3,000	+2,100
Anti-Oxidant Micronutrients Program (transfer from line 130)			+1,150	+1,000

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R-1	Budget Request	House	Senate	Conference
184 MARINE CORPS COMBAT SERVICES SUPPORT Battlefield Management System	10,731	10,731	10,731	11,731 +1,000
185 TACTICAL AIM MISSILES Integration of AIM9(X) on F-35 premature	4,061	1,561 -2,500	4,061	4,061 0
190 SATELLITE COMMUNICATIONS (SPACE) SPAWAR Covert Com and Info Transfer (CCIT) Joint Integrated Systems for Advanced Digital Networking (JIST-NET) MUOS - fund to CAIG estimate	573,092	470,592 +1,000 +6,500 -110,000	473,092 -100,000	468,992 +1,000 +4,900 -110,000
191 INFORMATION SYSTEMS SECURITY PROGRAM SECUREnet Collaborative Information Warfare Network	18,676	18,676	30,676 +7,000 +5,000	26,776 +4,600 +3,500
193 COBRA JUDY Cobra Judy Replacement	80,694	80,694	93,694 +13,000	93,694 +13,000
NAVY METEOROLOGICAL AND OCEAN SENSORS-				
194 SPACE (METOC) Scalable Signal Processing Architecture	4,215	4,215	4,215	6,215 +2,000
195 JOINT C4ISR BATTLE CENTER (JBC) Ice protection technologies for UAVs (transferred from RDT&E, AF)	43,569	43,569	43,569	44,669 +1,100
197 TACTICAL UNMANNED AERIAL VEHICLES Center for Coastline Security Technology (Note: only to continue a coastline security technology program, including an advanced acoustics sensor and mobile acoustic platform technology system initiative) Joint Operational Test Bed (JOTBS) Advanced Airship Flying Laboratory Fire Scout RQ-8B (2 air vehicles with associated payloads, a common ground station, and non-recurring engineering as necessary)	53,439	65,439 +5,000 +7,000	83,439 +6,000 +24,000	80,239 +2,500 +4,500 +3,000 +16,800
198 ENDURANCE UNMANNED AERIAL VEHICLES Broad Area Maritime Development - schedule slip	113,438	83,438 -30,000	113,438	98,438 -15,000

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R-1	Budget Request	House	Senate	Conference
199 AIRBORNE RECONNAISSANCE SYSTEMS	10,191	11,191	14,191	14,591
Passive collision avoidance and reconnaissance (PCAR) for Unmanned Aerial Vehicles		+1,000		+1,000
Modular Upgrades to Airborne Reconnaissance Sensors			+4,000	+3,400
200 MANNED RECONNAISSANCE SYSTEMS	20,203	28,203	20,203	27,003
Shared Reconnaissance Pod (SHARP) (Note: only for SHARP sensor P3I including CMOS, imaging modules, hyperspectral insertion and Advanced Airborne Image Processor modules)		+8,000		+6,800
201 DISTRIBUTED COMMON GROUND SYSTEMS	3,635	21,298	6,635	13,235
Enterprise targeting and strike system (eTSS)		+4,000		+2,800
TES-N/DCGS-N node at Patuxant River Naval Air Station		+5,000		+3,800
Realign JFN/JSIPS-N (see R-1 line74)		+8,663	+3,000	+3,000
204 MODELING AND SIMULATION SUPPORT	7,262	7,262	24,762	19,962
Global Engineering Methodology Initiative for Naval Integration and Interoperability			+4,000	+2,800
Joint Analytical Modeling Improvement Program (JAMIP) JWARS			+5,500	+3,900
Modeling and Simulation to Support C4ISR Development			+8,000	+6,000
206 INDUSTRIAL PREPAREDNESS	56,565	61,565	58,565	60,365
Nano-imprint at a Manufacturing Scale		+4,000		+2,800
Improve manufacturability demonstration of exhaust components for military aircraft		+1,000		+1,000
Porous Materials (moved to line 9)			+2,000	0

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Joint Strike Fighter STOVL Lift Fan

The conferees direct that in addition to funds currently budgeted for STOVL Lift Fan technologies, no less than \$8,000,000 of the funds provided for the Joint Strike Fighter program shall be for STOVL Lift Fan thrust increase studies.

Amphibious Assault Ship – LHA Replacement

The conferees agree to provide \$44,180,000 for the Amphibious Assault Ship – LHA Replacement, LHA(R), program as requested and as proposed by the Senate instead of no appropriation as proposed by the House.

The conferees agree that the Secretary of the Navy shall submit to the Committees on Appropriations of the House and Senate, a report within 90 days of enactment of this Act that addresses a thorough review of the LHA(R) requirement, the impact of the proposed ship on executing the Marine Corps amphibious assault mission, the overall cost and acquisition objective of LHA(R), and the acquisition strategy.

Next Generation Destroyer – DD(X)

The conferees agree to provide \$1,176,469,000 for the DD(X) program instead of \$1,182,785,000 as proposed by the House and \$1,210,469,000 as proposed by the Senate.

The conferees agree that prior to the completion of the Critical Design Review (CDR), the Navy should complete land-based testing of the Advanced Gun System (AGS) and the Integrated Power System (IPS). The conferees believe it is not advisable to complete CDR prior to ensuring that at least two of the 12 key technologies have completed testing due to historical trends of ship cost growth based on re-design to accommodate changes in technological requirements.

The conferees direct the Navy to submit a report to the congressional defense committees that addresses the Navy's plan to transition DD(X) key technologies through development, testing, acquisition, and installation. This report should also address "back up" technologies that could be inserted into the DD(X) program should the maturity of the planned technology not materialize within a timeline necessary to meet the stated DD(X) schedule.

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Littoral Combat Ship

The conferees agree to provide \$457,089,000 for the Littoral Combat Ship (LCS) program instead of \$409,089,000 as proposed by the House and \$352,089,000 as requested and proposed by the Senate.

The conferees agree with the Senate that all follow-on ships, beyond one of each prototype design, should be fully funded in the Shipbuilding and Conversion, Navy appropriation. The conferees also agree that substantial testing of the LCS and associated mission modules is required to evaluate each ship design and validate operational requirements. Therefore, the conferees direct that no funds shall be obligated to prepare a fiscal year 2006 budget request for construction of a third vessel, as reflected in the conference agreement including Section 8092 as originally proposed by the Senate. This directive is intended to provide for a “gap” year between construction of the prototype ships and the follow-on construction of a second ship of each design, thereby ensuring that design problems discovered during the prototype phase of each ship design are identified and corrected before construction of follow-on ships. The conferees also agree with the Senate that beginning in the fiscal year 2006 budget request, the Navy should identify LCS mission module funding separately within the

Research, Development, Test and Evaluation, Navy and Other Procurement, Navy appropriations.

Corrosion Resistant Marine Paint

The Navy spends approximately 25 percent of its fleet maintenance budget on corrosion protection. The conferees are aware of and support research performed by the Center for Photochemical Sciences that develops corrosion resistant marine paint using photo-cure technology. These new photo-cure technologies can increase corrosion protection while reducing environmentally harmful emissions. The conferees believe this technology provides unique advantages over current materials and directs the Office of Naval Research to continue current year funding for this important research project.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, AIR FORCE

The conference agreement on items addressed by either the House or the Senate is as follows:

	Budget	(In thousands of dollars)		
		House	Senate	Conference

RESEARCH, DEVELOPMENT, TEST & EVAL, AF				
BASIC RESEARCH				
DEFENSE RESEARCH SCIENCES.....	217,304	224,804	233,304	227,504
UNIVERSITY RESEARCH INITIATIVES.....	115,865	120,865	134,565	122,565
HIGH ENERGY LASER RESEARCH INITIATIVES.....	12,331	12,331	12,331	12,331
TOTAL, BASIC RESEARCH.....	345,500	358,000	380,200	362,400

APPLIED RESEARCH				
MATERIALS.....	73,660	97,160	105,560	120,560
AEROSPACE VEHICLE TECHNOLOGIES.....	74,679	78,179	74,679	77,079
HUMAN EFFECTIVENESS APPLIED RESEARCH.....	71,483	82,483	81,283	86,883
AEROSPACE PROPULSION.....	92,650	129,400	106,650	131,700
AEROSPACE SENSORS.....	78,804	97,304	92,804	97,604
MULTI-DISCIPLINARY SPACE TECHNOLOGY.....	84,581	101,581	84,581	97,781
SPACE TECHNOLOGY.....	88,909	99,909	111,484	108,509
CONVENTIONAL MUNITIONS.....	52,251	52,251	52,251	52,251
DIRECTED ENERGY TECHNOLOGY.....	36,532	47,532	36,532	44,032
COMMAND CONTROL AND COMMUNICATIONS.....	82,147	85,147	84,147	85,647
DUAL USE SCIENCE AND TECHNOLOGY PROGRAM.....	5,151	5,151	5,151	5,151
HIGH ENERGY LASER RESEARCH.....	45,333	52,333	45,333	50,733
TOTAL, APPLIED RESEARCH.....	786,180	928,430	880,455	957,930

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	Budget	(In thousands of dollars)		
		House	Senate	Conference
ADVANCED TECHNOLOGY DEVELOPMENT				
ADVANCED MATERIALS FOR WEAPON SYSTEMS.....	34,284	60,284	57,784	65,884
ADVANCED AEROSPACE SENSORS.....	30,634	44,634	30,634	44,234
FLIGHT VEHICLE TECHNOLOGY.....	---	1,000	---	1,000
AEROSPACE TECHNOLOGY DEV/DEMO.....	29,145	63,145	35,145	59,945
AEROSPACE PROPULSION AND POWER TECHNOLOGY.....	79,914	84,914	84,914	86,814
CREW SYSTEMS AND PERSONNEL PROTECTION TECHNOLOGY.....	32,794	35,294	33,794	33,894
ELECTRONIC COMBAT TECHNOLOGY.....	28,282	34,282	41,282	39,582
BALLISTIC MISSILE TECHNOLOGY.....	---	13,000	2,000	11,700
UNMANNED AIR VEHICLE DEV/DEMO.....	---	13,000	---	8,500
ADVANCED SPACECRAFT TECHNOLOGY.....	60,124	83,624	101,614	101,924
MAUI SPACE SURVEILLANCE SYSTEM (MSSS).....	6,306	6,306	50,306	58,706
MULTI-DISCIPLINARY ADVANCED DEVELOPMENT SPACE TECHNOLO	51,114	51,114	61,114	51,114
CONVENTIONAL WEAPONS TECHNOLOGY.....	22,398	29,898	22,398	27,498
ADVANCED WEAPONS TECHNOLOGY.....	31,103	48,103	47,103	54,503
C3I ADVANCED DEVELOPMENT.....	28,524	34,524	32,524	35,124
SPECIAL PROGRAMS.....	320,503	320,503	320,503	320,503
INTEGRATED BROADCAST SERVICE.....	2,294	2,294	2,294	2,294
HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM.....	8,547	10,547	8,547	9,847
ADVANCED COMMUNICATIONS SYSTEMS.....	12,051	12,051	12,051	12,051
AMC COMMAND AND CONTROL SYSTEM.....	6,038	6,038	6,038	6,038
JOINT NATIONAL TRAINING CENTER.....	2,939	2,939	2,939	2,939
TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT.....	786,994	957,494	952,984	1,034,094

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		(In thousands of dollars)		
	Budget	House	Senate	Conference
DEMONSTRATION & VALIDATION				
INTELLIGENCE ADVANCED DEVELOPMENT.....	4,612	4,612	4,612	4,612
PHYSICAL SECURITY EQUIPMENT.....	22,640	26,840	22,640	24,840
NAVSTAR GLOBAL POSITIONING SYSTEM III.....	40,568	40,568	40,568	40,568
ADVANCED EHF MILSATCOM (SPACE).....	612,049	612,049	612,049	612,049
POLAR MILSATCOM (SPACE).....	960	960	960	960
SPACE CONTROL TECHNOLOGY.....	15,046	15,046	15,046	15,046
COMBAT IDENTIFICATION TECHNOLOGY.....	19,582	19,582	19,582	19,582
NATO RESEARCH AND DEVELOPMENT.....	3,930	3,930	3,930	3,930
INTERNATIONAL SPACE COOPERATIVE R&D.....	552	552	552	552
ADVANCED WIDEBAND SYSTEM (AWS) TRANSFORMATIONAL SATCOM	774,836	674,836	374,836	474,836
INTEGRATED BROADCAST SERVICE (DEM/VAL).....	23,927	23,927	23,927	23,927
INTERCONTINENTAL BALLISTIC MISSILE (DEM/VAL).....	72,503	72,503	70,503	70,503
WIDEBAND GAPFILLER SYSTEM RDT&E (SPACE).....	73,499	73,499	73,499	73,499
SPACE-BASED RADAR (DEM/VAL).....	327,732	75,000	227,732	75,000
POLLUTION PREVENTION (DEM/VAL).....	2,692	4,692	4,192	5,492
JOINT PRECISION APPROACH AND LANDING SYSTEMS (DEM/VAL)	18,385	18,385	18,385	18,385
HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM (HDBTDS)...	6,383	6,383	6,383	6,383
OPERATIONALLY RESPONSIVE LAUNCH.....	35,362	40,362	5,000	33,362
COMMON AERO VEHICLE (CAV).....	21,610	31,610	---	16,610
NATIONAL POLAR-ORBITING OPERATIONAL ENVIRONMENTAL SATE	307,668	307,668	307,668	307,668
BOMBER DEVELOPMENT.....	---	50,000	---	30,000
TOTAL, DEMONSTRATION & VALIDATION.....	2,384,536	2,103,004	1,832,064	1,857,804
ENGINEERING & MANUFACTURING DEVELOPMENT				
GLOBAL BROADCAST SERVICE (GBS).....	33,447	23,447	33,447	26,447
JOINT HELMET MOUNTED CUEING SYSTEM (JHMCS).....	2,867	2,867	2,867	2,867
NUCLEAR WEAPONS SUPPORT.....	13,301	13,301	13,301	13,301
B-1B.....	59,462	59,462	89,462	84,462
SPECIALIZED UNDERGRADUATE FLIGHT TRAINING.....	3,359	3,359	3,359	3,359
F-22 - EMD.....	210,000	210,000	210,000	210,000

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	Budget	(In thousands of dollars)		
		House	Senate	Conference
B-2 ADVANCED TECHNOLOGY BOMBER.....	245,049	295,049	245,049	275,049
EW DEVELOPMENT.....	138,393	110,893	157,393	114,093
JOINT TACTICAL RADIO.....	49,856	39,856	49,856	39,856
PHYSICAL SECURITY EQUIPMENT.....	9,744	9,744	9,744	9,744
SMALL DIAMETER BOMB (SDB) EMD.....	76,489	76,489	76,489	76,489
COUNTERSPACE SYSTEMS.....	75,863	22,863	27,863	26,363
SPACE BASED INFRARED SYSTEM (SBIRS) HIGH EMD.....	508,448	599,448	508,448	599,448
MILSTAR LDR/MDR SATELLITE COMMUNICATIONS (SPACE).....	1,380	1,380	1,380	1,380
MUNITIONS DISPENSER DEVELOPMENT.....	28,048	28,048	28,048	28,048
ARMAMENT/ORDNANCE DEVELOPMENT.....	8,353	8,353	8,353	8,353
SUBMUNITIONS.....	4,824	5,824	4,824	5,824
AGILE COMBAT SUPPORT.....	10,053	12,053	20,053	19,053
LIFE SUPPORT SYSTEMS.....	6,630	14,630	6,630	11,430
COMBAT TRAINING RANGES.....	18,714	18,714	22,714	21,514
INTEGRATED COMMAND & CONTROL APPLICATIONS (IC2A).....	258	12,758	18,758	22,158
INTELLIGENCE EQUIPMENT.....	1,349	6,849	1,349	2,449
COMMON LOW OBSERVABLES VERIFICATION SYSTEM (CLOVERS)...	10,303	10,303	10,303	10,303
JOINT STRIKE FIGHTER (JSF) - EMD.....	2,307,420	2,199,420	2,309,920	2,200,670
INTERCONTINENTAL BALLISTIC MISSILE - EMD.....	91,687	91,687	91,687	91,687
EVOLVED EXPENDABLE LAUNCH VEHICLE PROGRAM (SPACE).....	27,000	27,000	27,000	27,000
RDT&E FOR AGING AIRCRAFT.....	15,665	20,665	35,665	32,065
UNMANNED COMBAT AIR VEHICLE JOINT PROGRAM OFFICE.....	2,911	---	2,911	---
LINK-16 SUPPORT AND SUSTAINMENT.....	141,012	140,212	141,012	136,612
FAMILY OF INTEROPERABLE OPERATIONAL PICTURES (FIOP)...	44,947	49,947	44,947	47,147
MULTI-SENSOR C2 AIRCRAFT (MC2A).....	538,860	458,860	498,860	423,860
FULL COMBAT MISSION TRAINING.....	5,894	5,894	12,894	10,794
CV-22.....	16,439	16,439	16,439	16,439
TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT.....	4,708,025	4,595,814	4,731,025	4,598,264

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		(In thousands of dollars)		
	Budget	House	Senate	Conference
RD&E MANAGEMENT SUPPORT				
THREAT SIMULATOR DEVELOPMENT.....	34,517	34,517	34,517	34,517
MAJOR T&E INVESTMENT.....	58,933	67,233	58,933	64,533
RAND PROJECT AIR FORCE.....	24,970	24,970	24,970	24,970
RANCH HAND II EPIDEMIOLOGY STUDY.....	4,813	4,813	4,813	4,813
INITIAL OPERATIONAL TEST & EVALUATION.....	28,839	32,839	28,839	30,839
TEST AND EVALUATION SUPPORT.....	356,266	357,266	361,266	359,766
ROCKET SYSTEMS LAUNCH PROGRAM (SPACE).....	7,984	22,984	22,984	22,984
SPACE TEST PROGRAM (STP).....	44,521	44,521	44,521	44,521
FACILITIES RESTORATION & MODERNIZATION - TEST & EVAL..	58,936	58,936	58,936	58,936
FACILITIES SUSTAINMENT - TEST AND EVALUATION SUPPORT..	23,067	23,067	23,067	23,067
GENERAL SKILL TRAINING.....	323	323	323	323
JUDGMENT FUND REIMBURSEMENT.....	100,000	100,000	100,000	100,000
INTERNATIONAL ACTIVITIES.....	3,945	3,945	3,945	3,945
TOTAL, RD&E MANAGEMENT SUPPORT.....	747,114	775,414	767,114	773,214
OPERATIONAL SYSTEMS DEVELOPMENT				
ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY.....	7,858	7,858	7,858	7,858
B-52 SQUADRONS.....	25,766	33,766	25,766	31,366
ADVANCED CRUISE MISSILE.....	7,740	7,740	7,740	7,740
AIR-LAUNCHED CRUISE MISSILE (ALCM).....	11,837	11,837	11,837	11,837
STRAT WAR PLANNING SYSTEM - USSTRATCOM.....	23,391	23,391	18,391	18,391
NIGHT FIST - USSTRATCOM.....	4,987	4,987	4,987	4,987
ADVANCED STRATEGIC PROGRAMS.....	8,393	8,393	8,393	8,393
REGION/SECTOR OPERATION CONTROL CENTER MODERNIZATION..	19,047	19,047	19,047	19,047
WARFIGHTER RAPID ACQUISITION PROCESS (WRAP) RAPID TRAN	24,935	24,935	24,935	24,935
A-10 SQUADRONS.....	22,590	22,590	39,590	31,090
F-16 SQUADRONS.....	99,606	99,606	102,606	107,606
F-15E SQUADRONS.....	115,246	136,446	125,246	132,446
MANNED DESTRUCTIVE SUPPRESSION.....	16,976	16,976	16,976	16,976
F-22 SQUADRONS.....	354,528	344,528	354,528	344,528

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		(In thousands of dollars)		
	Budget	House	Senate	Conference
F-117A SQUADRONS.....	29,661	29,661	29,661	29,661
TACTICAL AIM MISSILES.....	5,558	3,058	5,558	5,558
ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM).....	33,266	33,266	33,266	33,266
COMBAT RESCUE AND RECOVERY.....	12,342	12,342	12,342	12,342
AF TENCAP.....	10,673	15,673	15,673	18,273
SPECIAL EVALUATION PROGRAM.....	199,040	199,040	199,040	199,040
COMPASS CALL.....	3,990	3,990	3,990	3,990
AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM.....	165,609	165,609	165,609	165,609
CSAF INNOVATION PROGRAM.....	1,879	1,879	1,879	1,879
JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM).....	45,777	45,777	45,777	45,777
AEROSPACE OPERATIONS CENTER (AOC).....	27,695	27,695	27,695	27,695
CONTROL AND REPORTING CENTER (CRC).....	11,634	11,634	11,634	11,634
AIRBORNE WARNING AND CONTROL SYSTEM (AWACS).....	288,787	288,787	288,787	288,787
ADVANCED COMMUNICATIONS SYSTEMS.....	20,066	20,066	20,066	20,066
EVALUATION AND ANALYSIS PROGRAM.....	---	3,000	---	2,600
ADVANCED PROGRAM TECHNOLOGY.....	249,391	249,391	249,391	249,391
THEATER BATTLE MANAGEMENT (TBM) C4I.....	37,210	37,210	37,210	37,210
FIGHTER TACTICAL DATA LINK.....	50,976	50,976	50,976	50,976
BOMBER TACTICAL DATA LINK.....	120,256	81,256	120,256	81,256
C2ISR TACTICAL DATA LINK.....	25,441	25,441	25,441	25,441
MC2C (MULTI-SENSOR COMMAND AND CONTROL CONSTELLATION)	44,035	44,035	44,035	44,035
JOINT SURVEILLANCE AND TARGET ATTACK RADAR SYSTEM	89,247	89,247	89,247	89,247
SEEK EAGLE.....	23,159	23,159	23,159	23,159
ADVANCED PROGRAM EVALUATION.....	474,734	434,734	474,734	434,734
USAF MODELING AND SIMULATION.....	18,693	18,693	18,693	18,693
WARGAMING AND SIMULATION CENTERS.....	6,377	7,377	6,377	7,377
MISSION PLANNING SYSTEMS.....	136,701	106,701	136,701	106,701
INFORMATION WARFARE SUPPORT.....	7,230	7,230	7,230	7,230
NAIC.....	---	---	3,000	---
E-4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC).....	11,172	11,172	11,172	11,172

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		(In thousands of dollars)		
	Budget	House	Senate	Conference
MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK ...	33,183	33,183	33,183	33,183
INFORMATION SYSTEMS SECURITY PROGRAM.....	79,625	86,625	87,625	87,125
GLOBAL COMBAT SUPPORT SYSTEM.....	18,637	22,637	18,637	21,437
GLOBAL COMMAND AND CONTROL SYSTEM.....	3,611	3,611	6,111	5,411
MILSATCOM TERMINALS.....	272,149	272,149	272,149	272,149
GLOBAL AIR TRAFFIC MANAGEMENT (GATM).....	7,291	7,291	7,291	7,291
SATELLITE CONTROL NETWORK (SPACE).....	17,833	17,833	22,833	20,333
WEATHER SERVICE.....	16,526	16,526	17,526	17,526
AIR TRAFFIC CONTROL, APPROACH, AND LANDING SYSTEM (ATC	7,371	7,371	12,371	9,871
AERIAL TARGETS.....	5,178	5,178	5,178	5,178
SECURITY AND INVESTIGATIVE ACTIVITIES.....	484	484	484	484
AIR FORCE TACTICAL MEASUREMENT AND SIGNATURE INTELLIGE	7,905	9,905	9,905	9,905
DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES (SPACE).....	219,345	189,345	219,345	189,345
NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT)....	104,114	104,114	104,114	104,114
NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE AND CONTROL).	148,344	148,344	148,344	148,344
SPACE WARFARE CENTER.....	411	411	411	411
SPACELIFT RANGE SYSTEM (SPACE).....	47,253	51,253	47,253	49,753
PERSONNEL SECURITY INVESTIGATIONS PROGRAM - AIR FORCE.	118,787	118,787	118,787	118,787
INTELLIGENCE SUPPORT TO INFORMATION OPERATIONS (IO)...	1,097	1,097	1,097	1,097
DRAGON U-2 (JMIP).....	87,745	87,745	87,745	87,745
AIRBORNE RECONNAISSANCE SYSTEMS.....	55,464	55,464	64,864	61,564
MANNED RECONNAISSANCE SYSTEMS.....	13,283	23,283	17,783	21,783
DISTRIBUTED COMMON GROUND SYSTEMS.....	21,232	22,232	21,232	22,232
PREDATOR UAV (JMIP).....	81,346	84,346	81,346	83,946
GLOBAL HAWK UAV (JMIP).....	336,159	315,259	336,159	336,159
INTELLIGENCE SUPPORT TO INFORMATION WARFARE.....	963	963	963	963
NCMC - TW/AA SYSTEM.....	64,822	64,822	64,822	64,822
SPACETRACK (SPACE).....	161,838	124,838	168,538	140,238
NUDET DETECTION SYSTEM (SPACE).....	35,398	35,398	35,398	35,398

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	Budget	(In thousands of dollars)		
		House	Senate	Conference
SPACE ARCHITECT.....	12,907	12,907	12,907	12,907
SHARED EARLY WARNING (SEW).....	3,345	3,345	3,345	3,345
C-130 AIRLIFT SQUADRON.....	150,242	153,242	152,242	152,242
C-5 AIRLIFT SQUADRONS.....	332,982	332,982	332,982	332,982
C-17 AIRCRAFT.....	199,692	202,692	201,692	201,692
C-130J PROGRAM.....	36,305	36,305	36,305	36,305
LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCM).....	73,684	73,684	73,684	73,684
KC-135S.....	1,079	1,079	1,079	1,079
KC-10S.....	18,452	---	---	---
SPECIAL TACTICS / COMBAT CONTROL.....	1,067	1,067	1,067	1,067
DEPOT MAINTENANCE (NON-IF).....	1,431	1,431	1,431	1,431
ACQUISITION AND MANAGEMENT SUPPORT.....	1,596	1,596	1,596	1,596
INDUSTRIAL PREPAREDNESS.....	38,012	56,012	44,012	57,212
LOGISTICS SUPPORT ACTIVITIES.....	---	1,000	---	1,000
SUPPORT SYSTEMS DEVELOPMENT.....	50,238	67,738	64,238	69,938
OTHER PERSONNEL ACTIVITIES.....	110	110	110	110
CIVILIAN COMPENSATION PROGRAM.....	7,272	7,272	7,272	7,272
FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOPMENT..	15,732	15,732	15,732	15,732
TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT.....	5,805,039	5,688,887	5,887,687	5,746,187
CLASSIFIED PROGRAMS.....	5,551,279	5,626,579	5,570,779	5,561,029
TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, AF.....	21,114,667	21,033,622	21,002,308	20,890,922

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EXPLANATION OF PROJECT LEVEL TABLES
[In thousands of dollars]

R-1	Budget Request	House	Senate	Conference
1 DEFENSE RESEARCH SCIENCES	217,304	224,804	233,304	227,504
Demonstrating Space Research and Applications (Note: Only to support educational programming and exhibits that demonstrate the application of defense technology and research at Griffith Observatory Planetarium)		+1,000		+1,000
Microwave Vacuum Electronics Power Research Initiative (Note: Only to re-establish a program for research into Microwave Vacuum Engineering (MVE) and High Power Microwave (HPM) technology through the Air Force Office of Scientific Research)		+2,500		+2,100
Chabot Space & Science Center		+2,000	+2,000	+2,000
National Hypersonic Research Center		+2,000	+2,000	+2,000
Human performance			-3,000	-3,000
External Research Programs Interface			-2,000	-2,000
Nanomaterials Research, Nanomanufacturing for Military Applications			+3,000	+2,300
Corrosion Protection of Aluminum Alloys Used in Aircraft			+2,500	+1,800
Read Out Integrated Circuit Manufacturing Improvement (Transferred to Defense Production Act)			+5,000	0
Network, Information and Space Security			+5,000	+2,500
Quantum Gate			+1,000	+1,000
Non-lethal Stunning/Immobilizing Weapons			+500	+500
2 UNIVERSITY RESEARCH INITIATIVES	115,865	120,865	134,565	122,565
Bio/Nanotechnology Infrastructure and Technology- oriented Research		+5,000		+3,000
21st Century Information Operations Workforce			+1,500	+1,100
Griffith Observatory programming			+1,000	+1,000
Graduate Fellowships			-5,000	-5,000
Information Security Solutions			+3,200	+1,600
Agile Response Chameleon Coatings			+3,000	+1,500
Strategic Partnership for Research in Nanotechnology (Transfer to Line 4)			+15,000	0
The Logistics Institute (Transferred from Line 21)				+1,000
SMART Pilot Scholarship Program				+2,500
4 MATERIALS	73,660	97,160	105,560	120,560
Computational Tools for Materials Development		+1,000		+1,000
Advanced Wide Bandgap Materials for RF Technology		+3,000		+2,600
Advanced Silicon Carbide Device Technology		+2,000		+1,700
Advanced Reinforced Materials and New Materials Research for Aircraft Tires (Transfer to Line 89)		+1,000		0
Domestic Titanium Powder Manufacturing Initiative		+4,000		+2,000
Cost Effective Composite Materials for Manned and Unmanned Flight Structures		+1,000	+2,000	+1,000
Blast Resistant Barriers for Homeland Defense		+4,000		+2,400
Advanced Magnetic Random Access Memory Modules (Note: Only to develop memory modules to integrate magnetic RAM with conventional electronics for military platforms)		+2,500		+2,100
Optimal Design of Materials Processes		+1,000		+1,000
WBI - Nanostructured Materials for Advanced Air Force Systems		+4,000		+2,800
Titanium Matrix Composites			+2,900	+2,500
Nanostructured Materials for Advanced Air Systems			+5,500	+3,600

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R-1	Budget Request	House	Senate	Conference
Gallium Nitrate RF Power Technology			+5,000	+2,500
Thermal Sprays for Structural Protection			+3,000	+2,100
ONAMI Safer Nanomaterials and Nanomanufacturing			+5,000	+2,500
Non-Linear Optical Materials			+1,000	+1,000
Durable Hybrid Coatings for Aircraft Systems			+1,000	+1,000
Material Science Laboratory			+1,500	+1,100
Advanced Manufacturing Technologies for Metals, Composites (UMR)			+5,000	+3,500
Strategic Partnership for Research in Nanotechnology (Transfer from Line 2)				+10,500
5 AEROSPACE VEHICLE TECHNOLOGIES	74,679	78,179	74,679	77,079
Intelligent Flight Control Simulation Research Laboratory		+2,000		+1,300
Unique Stealth UAV Houck Aircraft Design Program (Note: Only to continue and expand the existing program)		+1,500		+1,100
6 HUMAN EFFECTIVENESS APPLIED RESEARCH	71,483	82,483	81,283	86,883
Networked Warfighter Decision Support		+1,500		+1,100
AFSOC Battlefield Air Operations Kit		+1,500		+1,100
Bio Medical DNA Program		+1,000		+1,000
IMPRINT for UAVs		+2,000		+1,500
Photovoltaic Hydrogen and Flexible PV for Portable Power		+1,000		+1,000
Laser Bioeffects		+2,000		+1,400
Special Operations Target Acquisition & Control Suite (Note: Only to design a mission planning, rehearsal, and execution toolkit prototype system for Air Force Special Tactics)		+2,000		+1,400
Solid Electrolyte Oxygen Separator			+9,800	+6,900
7 AEROSPACE PROPULSION	92,650	129,400	106,650	131,700
HVEPS		+4,500		+3,100
Jet & Rocket Engine Test Site (JRETS) (Note: Only for Jet and Rocket Propulsion testing at San Bernardino International Airport)		+8,000		+6,800
Aerospace Lab Equipment Upgrade		+1,000		+1,000
Advanced Cooling Technology for High Flux Military Diode Laser Arrays		+1,500		+1,300
Cell-Level Battery Controller		+3,000		+1,500
Versatile Affordable Advanced Turbine Engine - Titanium Matrix Composite		+1,000		+1,000
Advanced Vehicle Propulsion Center		+5,000		+4,000
Advanced Aerospace Vehicle Cooling Technologies (Note: Only to conduct evaluations of aerospace vehicle cooling technologies at the JRETS rocket test stand at the San Bernardino International Airport)		+1,000		+1,000
Remote-Base Power Demonstration		+3,000		+1,500
Wavelength Agile Spectral Harmonic Oxygen Sensor		+1,000		+1,000
High Regression Rate Hybrid Rocket Fuels		+750		+750
Center for Flow Physics and Control		+2,000		+1,900
Engineering Research Lab Equipment Upgrade		+1,000		+1,000
Center for Security of Large-Scale Systems		+2,000		+1,900
Intense, Ultrafast Laser Microfabrication & Diagnostics		+1,000		+1,000
Information Assurance Initiative		+1,000		+1,000
High Powered Electrical Aircraft Capabilities			+10,000	+6,500
Integrated Cooling and Power System with MBTG			+4,000	+2,800

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R-1	Budget Request	House	Senate	Conference
8 AEROSPACE SENSORS	78,804	97,304	92,804	97,604
General Purpose Reconfigurable Signal Processor System		+4,000		+2,000
Optical Signature Recognition System for Authenticity Verification		+2,000		+1,000
Phased Array Antenna Control Computer		+1,500		+1,300
Three-Dimensional Packaging Technology for High Speed RF Communication		+2,000	+4,000	+2,000
Center for Advanced Sensor and Communication Antennas		+5,000		+3,000
Watchkeeper UWB Demonstration Program		+4,000		+1,600
Super-resolution Sensor System			+3,000	+2,000
Minority LEADERS			+7,000	+4,900
Compact Optical Receiver for Smart and Loitering Standoff Weapons				+1,000
9 MULTI-DISCIPLINARY SPACE TECHNOLOGY	84,581	101,581	84,581	97,781
Internet Protocol Commanding of Satellites		+1,000		+1,000
ETIP - Engineering Tool Improvement Program		+6,000		+5,000
Photonics Technology (Note: Only for single-mode SOI highly integrated photonics prototyping and SOI JSF weight reduction efforts)		+2,000		+1,700
Upperstage Engine Technology (USET)		+5,000		+4,000
Stable Articulating Backbone for Ultralight Radar Project		+3,000		+1,500
10 SPACE TECHNOLOGY	88,909	99,909	111,484	108,509
Elastic Memory Composites		+1,000	+3,000	+2,000
ICASS		+4,000		+2,000
Converted Silicon Carbide for High Performance Optic Structures		+3,000		+1,500
EM Gradiometer for the Detection & Confirmation of Underground Hiding Places & Passageways		+2,000	+4,000	+2,800
Toughened Silicone Substrates for Flexible Solar Cells		+1,000		+1,000
Spacecraft Vehicles Technology, Deployable Structures for SBR			-4,000	-4,000
Lightweight and Novel Structures for Space Program			+4,500	+3,400
USAF Center for National Security Research--Signature Exploitation			+1,575	+1,100
HAARP			+6,500	+5,500
Foldable Articulated Structures for Next Generation Spacecraft			+3,000	+1,500
Seismic Monitoring Program			+4,000	+2,800
12 DIRECTED ENERGY TECHNOLOGY	36,532	47,532	36,532	44,032
Adaptive Optics Lasercom		+5,000		+2,500
Ultra Short Pulse Laser Technology Development (Note: Only for USP laser Platform Development Vehicle, Lethality and Atmospheric Propagation Analysis, and Optimization of the USP Laser Platform)		+6,000		+5,000
13 COMMAND CONTROL AND COMMUNICATIONS	82,147	85,147	84,147	85,647
MASINT Visualization Tools Program		+3,000		+2,500
Joint Battlespace Infosphere			+2,000	+1,000

R-1	Budget Request	House	Senate	Conference
15 HIGH ENERGY LASER RESEARCH	45,333	52,333	45,333	50,733
Joint High Power Solid State Laser Program		+2,000		+2,400
Manufacturing Technology Development Solid State of				
Advanced Components for High Solid State Laser		+4,000		+2,000
High Energy Laser Research		+1,000		+1,000
16 ADVANCED MATERIALS FOR WEAPON SYSTEMS	34,284	60,284	57,784	65,884
Advanced Polymer Technology for Agile Combat Support		+1,500		+1,100
Transparent Conductive Polymer Technology				
Development		+3,000		+1,500
Metals Affordability Initiative		+5,000	+10,000	+7,500
Quantitative Inspection Techniques for Assessing Aging				
of Military Aircraft		+2,000	+1,000	+1,200
Plasma Enhanced Chemical Vapor Disposition for				
Advanced Laser Program		+2,000		+1,700
Large Panel Sapphire Producability		+3,000		+1,500
Advanced Composite Processes		+2,000		+1,400
Fast Field Repair of Coated Aircraft and Equipment		+4,000		+2,800
Materials Integrity Management Research		+1,500		+1,100
Hybrid Bearing		+2,000		+1,400
Stealth RAM Coatings			+5,000	+3,500
Titanium Matrix Composites			+3,500	+3,000
Plasma Arc/Waste to Energy Production			+4,000	+3,400
Continuous Integrated Vehicle Health Monitoring System				
(CIVHMS)				+500
17 ADVANCED AEROSPACE SENSORS	30,634	44,634	30,634	44,234
Testbed for Accelerated Transition - Advanced Multi-				
Discriminating Sensing		+1,000		+1,000
National Operational Signature Production and Research				
Capability		+11,500		+11,500
Phase Diversity - Imaging Through Volume Turbulence		+1,500		+1,100
18 FLIGHT VEHICLE TECHNOLOGY	0	1,000	0	1,000
Ultra-Lightweight Composites for Ballistic and Bomb				
Protection		+1,000		+1,000
AEROSPACE TECHNOLOGY				
19 DEVELOPMENT/DEMONSTRATION	29,145	63,145	35,145	59,945
3-D Weaving/Braiding Technology		+4,000		+2,000
National Aerospace Leadership Initiative		+25,000		+21,000
WBI - Capabilities Planning Support		+5,000		+3,500
Haleakala Laser Communications Testbed			+1,000	+1,000
Capabilities Planning Support			+5,000	+3,300
AEROSPACE PROPULSION AND POWER				
20 TECHNOLOGY	79,914	84,914	84,914	86,814
Advanced Satellite Thermal Control Program		+1,000		+1,000
Versatile Affordable Advanced Turbine Engine (Note:				
Only for the XTC 58F/1 for purposes demonstrating the				
integration of individual technologies for highly fuel				
efficient 10,000-15,000 pound thrust demonstrator				
engines needed for evolving Unmanned Aerial Vehicles)		+4,000		+2,400
IPHTET Phase III Tech Demonstrator (Project 4921)			+5,000	+3,500

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R-1	Budget Request	House	Senate	Conference
CREW SYSTEMS AND PERSONNEL PROTECTION				
21 TECHNOLOGY	32,794	35,294	33,794	33,894
Virtual Warriors		+1,500		+1,100
The Logistics Institute (Transferred to Line 2)		+1,000	+1,000	0
22 ELECTRONIC COMBAT TECHNOLOGY	28,282	34,282	41,282	39,582
Receiver and Processing Concepts Evaluation Program		+1,000		+1,000
Lightweight Modular Support Jammer		+3,000	+8,000	+5,600
Detect and Avoid for UAVs		+2,000		+1,400
Affordable Visible Missile Warning Systems			+5,000	+3,300
23 BALLISTIC MISSILE TECHNOLOGY	0	13,000	2,000	11,700
Ballistic Missile Technology Common Advanced Guidance Technology		+13,000		+10,000
Pacific Ballistic Missile Technology Program			+2,000	+1,700
UNMANNED AIR VEHICLE				
24 DEVELOPMENT/DEMONSTRATION	0	13,000	0	8,500
Protector UAV for AC-130 Aircraft (Note: Only to develop a Protector UAV capability to include a Tactical Common Data Link (TCDL) communications suite for real-time video capability)		+10,000		+8,500
Ice Protection Technologies for UAVs (Transferred to Line 195, RDTE, Navy)		+3,000		0
25 ADVANCED SPACECRAFT TECHNOLOGY	60,124	83,624	101,614	101,924
Robust Aerospace Composite Materials and Structures		+3,500	+4,500	+4,500
Intelligence Free Space Optical Communications		+3,000		+1,500
Boron Energy Cell System Development		+2,000		+1,000
Vehicle Risk Reduction (RSLV)		+4,000	+5,000	+4,000
Advanced Life Cycle Cost/ Risk Model for Space Concepts Development		+1,000		+1,000
Integrated Spacecraft Engineering Tool (ISET)		+1,000		+1,000
Systematic Hierarchical Approach to Radiation Hardened Electronics		+3,000		+1,500
Streaker - Small Launch Vehicle		+4,000		+3,000
Radiation Hardening Microelectronics		+2,000		+1,400
Thin Film Amorphous Solar Arrays			+10,000	+7,500
Geosynchronous Laser Imaging Testbed			+7,000	+4,900
Intelligent Free Space Optical Satellite Communications Node			+3,000	+1,500
Hardening Technologies for Satellite Protection			+5,000	+3,500
MRAM Innovative Communications Materials			+1,990	+1,200
Vortex Cold Wall Low Cost Rocket Engines			+5,000	+3,300
AC Coupled Interconnect				+1,000
26 MAUI SPACE SURVEILLANCE SYSTEM (MSSS)	6,306	6,306	50,306	58,706
High Accuracy Network Determination System			+10,000	+8,500
MSSS Operations and Research			+34,000	+33,900
PanSTARRS (Transferred from Line 27)				+10,000
MULTI-DISCIPLINARY ADVANCED DEVELOPMENT				
27 SPACE TECHNOLOGY	51,114	51,114	61,114	51,114
PanSTARRS (Transferred to Line 26)			+10,000	0

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R-1	Budget Request	House	Senate	Conference
28 CONVENTIONAL WEAPONS TECHNOLOGY	22,398	29,898	22,398	27,498
High Speed Strike Weapon		+1,000		+1,000
BLU-109 Bunker Buster - Heavy		+5,000		+3,000
Fuze Air-to-Surface Technology		+1,500		+1,100
29 ADVANCED WEAPONS TECHNOLOGY	31,103	48,103	47,103	54,503
Advanced Technology for IRCM Component Improvement		+3,000		+2,100
Low Speed Air Speed System		+4,000		+3,400
Near Earth Space Initiative		+4,000		+2,800
LIVAR		+3,000		+2,100
Wafer Integrated Semiconductor Laser		+3,000	+4,000	+3,000
Massively Parallel Optical Interconnects for Microsatellite Datacom			+4,000	+2,000
Applications of LIDAR to Vehicles with Analysis (ALVA)			+8,000	+8,000
31 C3I ADVANCED DEVELOPMENT	28,524	34,524	32,524	35,124
Dynamic Targeting Capability		+3,000		+1,500
Collaboration Archive Server (Note: Only for the continued development of the Collaboration Archive Server initiated under SBIR AF01-106)		+1,000		+1,000
Cyber Security - Advanced Course in Engineering		+2,000		+1,000
Rivet Joint Advanced Wideband Processor			+3,000	+2,100
J-P 900 Coal based Jet Fuel			+1,000	+1,000
HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM				
34 PROGRAM	8,547	10,547	8,547	9,847
Joint High Power Solid State Laser Program		+2,000		+1,300
39 PHYSICAL SECURITY EQUIPMENT	22,640	26,840	22,640	24,840
Smart Camera System with Target Motion Cueing		+200		+200
Military Base Protection Using X-Ray System (Shaped Energy Detection System)		+4,000		+2,000
ADVANCED WIDEBAND SYSTEM (AWS)				
48 TRANSFORMATIONAL SATCOM (TSAT)	774,836	674,836	374,836	474,836
Technological Risk Reduction		-100,000	-400,000	-300,000
50 INTERCONTINENTAL BALLISTIC MISSILE - DEM/VAL	72,503	72,503	70,503	70,503
Long Range Planning			-2,000	-2,000
53 SPACE-BASED RADAR DEM/VAL	327,732	75,000	227,732	75,000
Program Affordability		-252,732	-100,000	-252,732
54 POLLUTION PREVENTION (DEM/VAL)	2,692	4,692	4,192	5,492
Laser Applications to Improve Air Force Operations and Readiness		+2,000		+1,700
O2 Diesel Particulate Emissions Reduction			+1,500	+1,100
59 OPERATIONALLY RESPONSIVE LAUNCH	35,362	40,362	5,000	33,362
Blue MAJIC		+4,000		+2,000
Advanced Rocket Components (Note: Only for water-cooled rocket engine prototype project)		+1,000		+1,000
Program Reduction			-35,362	-5,000
Microsatellite Development			+5,000	0

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R-1	Budget Request	House	Senate	Conference
60 COMMON AERO VEHICLE (CAV)	21,610	31,610	0	16,610
Common Aero Vehicle		+10,000		+5,000
Program Reduction			-21,610	-10,000
62 GLOBAL BROADCAST SERVICE (GBS)	33,447	23,447	33,447	26,447
Reduce Forward Financing		-10,000		-7,000
65 B-1B	59,462	59,462	89,462	84,462
FLIR and Datalink Upgrades			+30,000	+25,000
68 B-2 ADVANCED TECHNOLOGY BOMBER	245,049	295,049	245,049	275,049
EHF SatCom		+24,000		+14,400
GBU-28 Integration		+12,000		+7,200
Radar Modernization Program		+14,000		+8,400
69 EW DEVELOPMENT	138,393	110,893	157,393	114,093
Rapid Replacement of Mission Critical Logistics				
Electronic Components at Warner Robins AFB		+3,500	+2,000	+2,300
AN/ALQ-172 Airborne Electronic Attack Upgrade		+5,000	+9,000	+5,400
AEA Technology Development		-36,000		-36,000
PLAID			+8,000	+4,000
70 JOINT TACTICAL RADIO	49,856	39,856	49,856	39,856
SDD Contract Award Delay		-10,000		-10,000
73 COUNTERSPACE SYSTEMS	75,863	22,863	27,863	26,363
Counter Surveillance Reconnaissance System Program				
Termination		-53,000	-53,000	-53,000
Space Control Test Capabilities System			+5,000	+3,500
75 SPACE BASED INFRARED SYSTEM (SBIRS) HIGH EMD	508,448	599,448	508,448	599,448
AF Requested Transfer		+91,000		+91,000
79 SUBMUNITIONS	4,824	5,824	4,824	5,824
Self-Destruct Fuzing for BLU-97 Submunitions in AF				
CBU-87 Area Attack Munition		+1,000		+1,000
80 AGILE COMBAT SUPPORT	10,053	12,053	20,053	19,053
Biostatic Protective Clothing for AFSOC		+1,000		+1,000
Advanced Casualty Care for AFSOC		+1,000		+1,000
Isolation Units with Reactive Nanoparticle Materials			+6,000	+4,200
AERO Medical Readiness - Water Sterilization			+4,000	+2,800
82 LIFE SUPPORT SYSTEMS	6,630	14,630	6,630	11,430
Integrated Mission Helmet		+3,000		+1,800
ACES II Ejection Seat Improvement (Note: only for				
continuing safety improvements to USAF ACES II				
ejection seats)		+1,000		+1,000
Lower Anti-G Garment		+4,000		+2,000
84 COMBAT TRAINING RANGES	18,714	18,714	22,714	21,514
Virtual Teleoperation for Unmanned Aerial Vehicles (ISU)			+4,000	+2,800
INTEGRATED COMMAND & CONTROL APPLICATIONS				
85 (IC2A)	258	12,758	18,758	22,158
JSTARS Net-Centric Enhancements Using Web Services		+1,000		+1,000
C2 Manager for AFSOC		+1,000		+1,000
Distributed Mission Interoperability Toolkit (DMIT)		+4,000	+8,000	+5,600

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R-1	Budget			
	Request	House	Senate	Conference
Net-Centric Information Visualization Services		+3,000		+2,000
Integration of Global Expeditionary Medical System with Global Combat Support System		+3,500		+2,500
Global Awareness Presentation System-IC2A			+5,000	+2,500
Asset Source for Software Engineering Technology eWing Program			+5,500	+4,700
Air Force Electronic Systems Command/National Product Line Asset Center (NPLACE) (Transfer from Line 86)				+2,600
86 INTELLIGENCE EQUIPMENT	1,349	6,849	1,349	2,449
Air Force Electronic Systems Command/National Product Line Asset Center (NPLACE) (Transfer to Line 85)		+4,000		0
Hard and Deeply Buried Targets		+1,500		+1,100
89 JOINT STRIKE FIGHTER EMD	2,307,420	2,199,420	2,309,920	2,200,670
F-135 Engine Development		-49,000		-49,000
Reprogramming Activity		-25,000		-25,000
Manufacturing, Tooling and Materials		-60,000		-60,000
Engineering Activity		+26,000		+26,000
JSF Second Source Tire Research, Aircraft Bias, Radial Tire Materials			+2,500	+1,250
92 RDT&E FOR AGING AIRCRAFT	15,665	20,665	35,665	32,065
Advanced Aircraft Avionics & Electronics Insertion		+1,000		+1,000
TER-0 MIL-STD-1760 ("Smart") Modification		+2,000		+1,700
Enterprise Availability and Cost Optimization System		+1,000		+1,000
Fleet Capability Assessment		+1,000	+2,000	+1,300
Aging Landing Gear Life Extension			+7,000	+4,600
Academic Center for Aging Aircraft			+6,000	+4,200
Fleet Readiness			+2,500	+1,300
LEAN Depot Engine Repair			+2,500	+1,300
UNMANNED COMBAT AIR VEHICLE JOINT PROGRAM				
94 OFFICE	2,911	0	2,911	0
Program Transferred		-2,911		-2,911
95 LINK-16 SUPPORT AND SUSTAINMENT	141,012	140,212	141,012	136,612
Enhanced Tactical Data Link and Data Display		+6,000		+3,000
Pocket Link 16		+4,000		+3,400
Data Links Facility - FY06 Contract Award		-10,800		-10,800
FAMILY OF INTEROPERABLE OPERATIONAL				
96 PICTURES (FIOP)	44,947	49,947	44,947	47,147
Command and Control Service Level Management		+5,000		+3,800
Command and Control Enterprise Services (C2ES)		+4,000		+2,400
Program Growth		-4,000		-4,000
97 MULTI-SENSOR C2 AIRCRAFT (MC2A)	538,860	458,860	498,860	423,860
MC2A Airframe - Delay in test bed delivery		-80,000	-40,000	-115,000
98 FULL COMBAT MISSION TRAINING	5,894	5,894	12,894	10,794
F-16 Block 30 MTC for Air National Guard			+7,000	+4,900
102 MAJOR TEST & EVALUATION INVESTMENT	58,933	67,233	58,933	64,533
Instrumentation, Loading, Integration, Analysis and Documentation - Edwards, AFB		+3,000		+1,500

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R-1	Budget Request	House	Senate	Conference
Air Armament Center/ILIAD		+2,300		+2,000
3-D Data Track Assembly (3-DATA) Imaging System		+3,000		+2,100
106 INITIAL OPERATIONAL TEST & EVALUATION	28,839	32,839	28,839	30,839
Air Force Operational Test and Evaluation Center		+4,000		+2,000
107 TEST AND EVALUATION SUPPORT	356,266	357,266	361,266	359,766
Consolidated Fighter Combined Test Force		+1,000		+1,000
Big Bend Range			+5,000	+2,500
108 ROCKET SYSTEMS LAUNCH PROGRAM (SPACE)	7,984	22,984	22,984	22,984
Ballistic Missile Range Safety Technology		+15,000	+15,000	+15,000
117 B-52 SQUADRONS	25,766	33,766	25,766	31,366
B-52 Re-engine Study		+8,000		+5,600
120 STRAT WAR PLANNING SYSTEM - USSTRATCOM	23,391	23,391	18,391	18,391
ISPAN Contractor Costs			-5,000	-5,000
126 A-10 SQUADRONS	22,590	22,590	39,590	31,090
Three Dimensional Modeling, Design and Engineering Assessment			+7,000	+3,500
A-10 Propulsion Modernization			+10,000	+5,000
127 F-16 SQUADRONS	99,606	99,606	102,606	107,606
AN/APG-68(V) 10 radar development			+3,000	+8,000
128 F-15E SQUADRONS	115,246	136,446	125,246	132,446
F-15C APG-63(V)3 Radar Upgrade		+17,200	+10,000	+14,600
F-15 ALR-56C Radar Warning Receiver Upgrade Program		+4,000		+2,600
130 F-22 SQUADRONS	354,528	344,528	354,528	344,528
Execution		-10,000		-10,000
132 TACTICAL AIM MISSILES	5,558	3,058	5,558	5,558
AIM 9(X) - Premature Integration on F-35		-2,500		0
135 AF TENCAP	10,673	15,673	15,673	18,273
FOGLITE		+5,000		+4,300
GPS Jammer Detection and Location System			+5,000	+3,300
145 EVALUATION AND ANALYSIS PROGRAM	0	3,000	0	2,600
Adaptive Information Protection Technologies		+3,000		+2,600
149 BOMBER TACTICAL DATA LINK	120,256	81,256	120,256	81,256
B-52 Program Growth		-39,000		-39,000
154 ADVANCED PROGRAM EVALUATION	474,734	434,734	474,734	434,734
Classified Program		-40,000		-40,000
156 WARGAMING AND SIMULATION CENTERS	6,377	7,377	6,377	7,377
Synthetic Theater Operations Research Model		+1,000		+1,000
157 MISSION PLANNING SYSTEMS	136,701	106,701	136,701	106,701
Program Growth		-30,000		-30,000

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R-1	Budget Request	House	Senate	Conference
161 NATIONAL AIR INTELLIGENCE CENTER EWIRDB/NGE Data Migration	0	0	3,000 +3,000	0 0
169 INFORMATION SYSTEMS SECURITY PROGRAM Worldwide Infrastructure Security Environment (Note: only for WISE to provide protection and response to physical and cyber attacks.) ESC/SAF Deployment Planning Center for Information Assurance Security Lighthouse Cyber Security Program	79,625	86,625 +4,000 +1,000 +2,000	87,625 +3,000 +5,000	87,125 +2,000 +1,000 +2,000 +2,500
170 GLOBAL COMBAT SUPPORT SYSTEM Air Force Knowledge Service	18,637	22,637 +4,000	18,637	21,437 +2,800
171 GLOBAL COMMAND AND CONTROL SYSTEM Applied Research in Computing Enterprise Services	3,611	3,611	6,111 +2,500	5,411 +1,800
177 SATELLITE CONTROL NETWORK (SPACE) Civil Reserve Space Service Initiative	17,833	17,833	22,833 +5,000	20,333 +2,500
178 WEATHER SERVICE Pacific Islands Ocean Typhoon Experiment (PILOT)	16,526	16,526	17,526 +1,000	17,526 +1,000
AIR TRAFFIC CONTROL, APPROACH, AND LANDING 179 SYSTEM Transportable Transponder Landing System	7,371	7,371	12,371 +5,000	9,871 +2,500
AIR FORCE TACTICAL MEASUREMENT AND 183 SIGNATURE INTELLIGENCE Advanced Remote Ground Unattended Sensor Program	7,905	9,905 +2,000	9,905 +2,000	9,905 +2,000
DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES 184 (SPACE) Classified Adjustment	219,345	189,345 -30,000	219,345	189,345 -30,000
190 SPACELIFT RANGE SYSTEM (SPACE) Reservoir Assessment, Detection and Response Project CSIP	47,253	51,253 +3,000 +1,000	47,253	49,753 +1,500 +1,000
195 AIRBORNE RECONNAISSANCE SYSTEMS Software Communications Architecture Compliance	55,464	55,464	64,864 +9,400	61,564 +6,100
196 MANNED RECONNAISSANCE SYSTEMS Lightweight SIGINT System Combat Sent Tactical ELINT System Modernization Cobra Ball Long Wave Infrared Mid-Course Data Collection Capability Cobra Ball Hi-Res E/O Signature Capability Collaborative Information Operations	13,283	23,283 +4,000 +2,000 +2,500 +1,500	17,783 +4,500	21,783 +2,000 +1,000 +2,100 +1,100 +2,300
197 DISTRIBUTED COMMON GROUND SYSTEMS Battle Damage Assessment Process Analysis	21,232	22,232 +1,000	21,232	22,232 +1,000
198 PREDATOR UAV (JMIP) Predator B LYNX SAR	81,346	84,346 +3,000	81,346	83,946 +2,600

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R-1	Budget Request	House	Senate	Conference
199 GLOBAL HAWK UAV (JMIP)	336,159	315,259	336,159	336,159
Southern Command Demo Execution		-7,900		0
PACOM Exercise Execution		-5,000		0
NCCT Termination		-8,000		0
202 SPACETRACK (SPACE)	161,838	124,838	168,538	140,238
SBSS Delay		-30,000		-20,000
Defer SBSS Block 10 and Block 20 based on delay in SBSS		-7,000	-4,000	-7,000
S-band Upgrade			+10,700	+5,400
208 C-130 AIRLIFT SQUADRON	150,242	153,242	152,242	152,242
Real-Time Measurement Weight and Balance System		+3,000	+2,000	+2,000
210 C-17 AIRCRAFT	199,692	202,692	201,692	201,692
C-17 Test Flight Data Archive		+3,000	+2,000	+2,000
214 KC-10S	18,452	0	0	0
GATM Termination		-18,452	-18,452	-18,452
218 INDUSTRIAL PREPAREDNESS	38,012	56,012	44,012	57,212
e-LINCS		+1,000		+1,000
WR-ALC Maintenance Operations Support (MOS)				
Simulation Model		+1,000		+1,000
Aerial Multi-Axis Platform		+1,000		+1,000
Rapid Manufacturing using Computers and Lasers		+1,000		+1,000
Affordable Multi-Junction Solar Cells		+3,000		+1,500
Tide Program		+5,000		+5,000
LO Coatings Production Scale-up		+5,000		+3,500
Laser Peening for F119 Engine		+1,000		+1,000
Bipolar Wafer-cell NiMH Aircraft Battery			+2,500	+1,300
Advanced Nanomaterials Research, NanoPhotonic Components			+2,500	+1,900
Supply Chain Optimization Universal Tool Kit			+1,000	+1,000
219 LOGISTICS SUPPORT ACTIVITIES	0	1,000	0	1,000
REMIS		+1,000		+1,000
221 SUPPORT SYSTEMS DEVELOPMENT	50,238	67,738	64,238	69,938
C-5/C-17 IDE (Aging Aircraft)		+5,000	+5,000	+5,000
Develop Rapid Retargeting Capability at Warner Robins				
Air Logistics Center Depot		+1,000		+1,000
Information Assurance for Reengineering and Enabling Technologies		+3,000		+2,000
Special Operations Forces Program Directorate (WR-ALC/LU) Integrated Data Environment (IDE)		+2,000		+1,000
Center for Aircraft & System/Support Infrastructure		+2,000		+1,000
ACC Support Systems Development		+4,500		+2,700
Heavy Duty Hybrid Electric			+3,000	+2,000
Common Core Power Production Program			+4,000	+2,000
Teleoperated Semi-autonomous Robot for Aging Aircraft Maintenance			+2,000	+1,000
Air Force Center of Acquisition Reengineering and Enabling Technologies				+2,000

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SPACE BASED RADAR

The conferees agree with the House position.

AIRBORNE ELECTRONIC ATTACK

The conference report provides \$113,693,000 for Electronic Warfare Development. Noting the prevalence of significant industry efforts and capability in the field, the House report denied funding for transmitter and receiver technology development for a new stand-off jamming pod capability for the B-52. The conferees believe that the Air Force objective can be achieved quicker and at far less cost than the budget proposed through greater coordination with industries of expertise in this area. The Air Force has acknowledged this opportunity and expressed an interest to pursue such an objective. Accordingly, the conference report removes the restrictions on technology development for this purpose with the expectation that the Air Force will take advantage of the current state of technology and short-term developments potentially available to meet this requirement. The conferees further expect that the Air Force will take into account the cost savings associated with this opportunity in the fiscal year 2006 budget submission for this program.

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INSTRUMENTATION, LOADING, INTEGRATION, ANALYSIS AND DOCUMENTATION

The conferees recognize the critical role of digital technology in flight testing and commends the leadership of Edwards AFB, Eglin AFB, Barksdale AFB, White Sands Missile Range, and Fort Rucker for recent investments in modern instrumentation, data capture, data analysis and data archiving technology. The conferees support the continued deployment of ILIAD, an electronic test data management system, to provide cost-effective and efficient collection, protection, validation, and sharing of critical test and evaluation data. The use of this technology to manage test and evaluation data throughout its lifecycle eliminates costly and redundant testing. Further, based upon its success supporting numerous weapons platforms in multiple geographic locations, the conferees urge the Department of the Air Force to consider leveraging the Air Force's ILIAD solution for the Joint Strike Fighter and other weapons programs.

C-17 FLIGHT TEST DATA ARCHIVE

The conferees support the migration of C-17 flight test data from magnetic tapes to fixed-content disk drive technology that has no end of life concerns; places test data in an "on-line" format with clear indexing; and allows timely retrieval regardless of data volume. Given the importance of flight test data, the ability to retrieve specific data at a future date, as well as the cost-effectiveness of fixed-content technology, the conferees encourage all System Program Offices to consider the benefits of archiving test data in this manner.

AIR FORCE "MINORITY LEADERS" PROGRAM

The conferees expect that funds available for the Air Force "MINORITY LEADERS" program shall be available for research in the areas of both materials and aerospace sensors.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, DEFENSE-WIDE

The conference agreement on items addressed by either the House or the Senate is

as follows:

	Budget	(In thousands of dollars)		
		House	Senate	Conference

RESEARCH, DEVELOPMENT, TEST & EVAL, DW				
BASIC RESEARCH				
DEFENSE RESEARCH SCIENCES.....	143,729	168,729	150,729	171,129
UNIVERSITY RESEARCH INITIATIVES.....	---	8,500	---	---
GOVERNMENT/INDUSTRY COSPONSORSHIP OF UNIVERSITY RESEAR	---	8,000	7,000	7,000
DEFENSE EXPERIMENTAL PROGRAM TO STIMULATE COMPETITIVE	9,590	9,590	14,090	13,390
CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM.....	36,769	50,019	59,269	55,019
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TOTAL, BASIC RESEARCH.....	190,088	244,838	231,088	246,538
APPLIED RESEARCH				
MEDICAL FREE ELECTRON LASER.....	9,668	9,668	18,668	18,668
HISTORICALLY BLACK & HISPANIC SERVNG INSTITU SCIENCES.	14,192	19,192	17,192	21,192
LINCOLN LABORATORY RESEARCH PROGRAM.....	25,441	25,441	25,441	25,441
COMPUTING SYSTEMS AND COMMUNICATIONS TECHNOLOGY.....	342,614	345,614	---	---
INFORMATION AND COMMUNICATIONS TECHNOLOGY.....	---	---	193,956	192,656
COGNITIVE COMPUTING SYSTEMS.....	---	---	151,158	151,158
BIOLOGICAL WARFARE DEFENSE.....	147,533	156,533	156,833	161,033
CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM.....	104,385	167,885	147,139	171,710
TACTICAL TECHNOLOGY.....	339,175	342,175	316,575	342,825
MATERIALS AND ELECTRONICS TECHNOLOGY.....	502,044	518,544	---	---
MATERIALS TECHNOLOGY.....	---	---	253,836	258,836
ELECTRONICS TECHNOLOGY.....	---	---	215,708	263,808
WMD DEFEAT TECHNOLOGY.....	249,786	255,786	249,786	253,786
STRATEGIC DEFENSE TECHNOLOGIES.....	116,113	117,113	116,113	117,113
MEDICAL TECHNOLOGY.....	10,084	10,084	14,084	13,484
SPECIAL OPERATIONS TECHNOLOGY DEVELOPMENT.....	13,109	13,109	13,109	13,109
SOF MEDICAL TECHNOLOGY DEVELOPMENT.....	2,162	2,162	2,162	2,162
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TOTAL, APPLIED RESEARCH.....	1,876,306	1,983,306	1,891,760	2,006,981

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		(In thousands of dollars)		
	Budget	House	Senate	Conference
ADVANCED TECHNOLOGY DEVELOPMENT				
MEDICAL ADVANCED TECHNOLOGY.....	2,063	6,563	3,563	4,763
SO/LIC ADVANCED DEVELOPMENT.....	32,682	34,682	34,682	36,382
COMBATING TERRORISM TECHNOLOGY SUPPORT.....	46,719	93,819	76,719	99,984
COUNTERPROLIFERATION ADVANCED DEVELOPMENT TECHNOLOGIES	74,456	76,456	95,456	92,156
BALLISTIC MISSILE DEFENSE TECHNOLOGY.....	204,320	196,320	232,120	228,270
JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT.....	23,319	23,319	26,819	25,769
ADVANCED AEROSPACE SYSTEMS.....	361,067	364,067	---	---
ADVANCED AEROSPACE.....	---	---	87,347	101,847
SPACE PROGRAMS.....	---	---	222,220	235,020
CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM - ADVANCED DEV	117,343	176,843	173,843	185,143
JOINT UNMANNED COMBAT AIR SYSTEMS (J-UCAS) ADVANCED TE	284,617	449,617	288,617	363,617
SPECIAL TECHNICAL SUPPORT.....	---	6,000	---	3,000
GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS.....	27,542	107,792	111,042	145,617
STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM.....	56,936	61,436	56,936	57,936
JOINT WARFIGHTING PROGRAM.....	9,936	9,936	10,936	10,936
ADVANCED ELECTRONICS TECHNOLOGIES.....	218,151	224,151	225,151	227,851
ADVANCED CONCEPT TECHNOLOGY DEMONSTRATIONS.....	213,901	224,901	217,901	219,001
HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM.....	186,666	209,666	236,766	238,216
COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS.....	225,784	225,784	221,784	221,784
SENSOR AND GUIDANCE TECHNOLOGY.....	337,117	344,617	---	---
SENSOR TECHNOLOGY.....	---	---	194,373	203,773
GUIDANCE TECHNOLOGY.....	---	---	137,244	137,244
LAND WARFARE TECHNOLOGY.....	63,121	63,121	63,121	63,121
CLASSIFIED DARPA PROGRAMS.....	238,131	238,131	88,131	188,331
NETWORK-CENTRIC WARFARE TECHNOLOGY.....	125,124	125,124	125,124	125,124
DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT..	13,756	16,756	13,756	16,306
SOFTWARE ENGINEERING INSTITUTE.....	21,599	21,599	21,599	21,599
QUICK REACTION SPECIAL PROJECTS.....	64,389	42,926	64,389	42,926
JOINT WARGAMING SIMULATION MANAGEMENT OFFICE.....	46,017	46,017	46,017	46,017

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		(In thousands of dollars)		
	Budget	House	Senate	Conference
TECHNOLOGY LINK.....	1,934	7,934	2,934	8,084
COUNTERPROLIFERATION SUPPORT.....	1,958	1,958	1,958	1,958
SPECIAL OPERATIONS ADVANCED TECHNOLOGY DEVELOPMENT....	48,803	48,803	59,803	50,803
TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT.....	3,047,451	3,448,338	3,140,351	3,402,578
DEMONSTRATION & VALIDATION PHYSICAL SECURITY EQUIPMENT.....	---	8,000	19,000	17,900
JOINT ROBOTICS PROGRAM.....	11,771	19,771	15,771	21,821
ADVANCED SENSOR APPLICATIONS PROGRAM.....	17,581	28,581	22,581	26,731
ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM	32,546	35,046	36,546	38,046
ADVANCED CONCEPTS, EVALUATIONS AND SYSTEMS.....	256,159	231,159	256,159	231,159
BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT....	937,748	876,248	1,017,748	944,248
BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT...	4,384,775	4,369,775	4,548,275	4,630,450
BALLISTIC MISSILE DEFENSE BOOST DEFENSE SEGMENT.....	492,614	495,614	497,614	498,364
CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM - DEM/VAL....	104,195	104,195	112,195	108,195
BALLISTIC MISSILE DEFENSE SENSORS.....	591,957	594,957	613,457	605,807
BALLISTIC MISSILE DEFENSE SYSTEM INTERCEPTOR.....	511,262	398,262	259,262	348,262
BALLISTIC MISSILE DEFENSE TEST & TARGETS.....	713,658	713,658	713,658	716,658
BALLISTIC MISSILE DEFENSE PRODUCTS.....	418,608	388,608	413,608	405,108
BALLISTIC MISSILE DEFENSE SYSTEMS CORE.....	479,764	310,264	454,764	409,614
HUMANITARIAN DEMINING.....	13,747	13,747	13,747	13,747
COALITION WARFARE.....	5,886	5,886	5,886	5,886
JOINT UNMANNED COMBAT AIR SYSTEMS (J-UCAS) ADVANCED CO	422,873	260,784	222,873	222,873
REDUCTION OF TOTAL OWNERSHIP COST.....	27,351	10,351	---	---
JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGRAM.....	6,679	6,679	16,679	15,279
TOTAL, DEMONSTRATION & VALIDATION.....	9,429,174	8,871,585	9,239,823	9,260,148
ENGINEERING & MANUFACTURING DEVELOPMENT CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM - EMD.....	152,379	187,879	145,879	168,979
MANPADS DEFENSE PROGRAM.....	14,135	9,635	22,135	12,235
JOINT ROBOTICS PROGRAM - EMD.....	13,845	28,845	29,845	33,445
ADVANCED IT SERVICES JOINT PROGRAM OFFICE (AITS-JPO)..	18,183	18,183	18,183	18,183

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	Budget	(In thousands of dollars)		
		House	Senate	Conference
JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS)	18,515	18,515	18,515	18,515
INFORMATION TECHNOLOGY DEVELOPMENT.....	10,683	10,683	10,683	10,683
INFORMATION TECHNOLOGY DEVELOPMENT.....	52,407	52,407	52,407	52,407
INFORMATION TECHNOLOGY DEVELOPMENT-STANDARD PROCUREMENT	6,690	6,690	6,690	6,690
FINANCIAL MANAGEMENT SYSTEM IMPROVEMENTS.....	94,767	49,767	49,767	49,767
DEFENSE MESSAGE SYSTEM.....	6,623	6,623	6,623	6,623
INFORMATION SYSTEMS SECURITY PROGRAM.....	2,493	6,993	2,493	5,393
GLOBAL COMBAT SUPPORT SYSTEM.....	17,867	17,867	17,867	17,867
JOINT COMMAND AND CONTROL PROGRAM (JC2).....	3,000	4,500	3,000	4,000
ELECTRONIC COMMERCE.....	3,466	3,466	3,466	3,466
ELECTRONIC COMMERCE.....	2,345	2,345	2,345	2,345
BMP DOMAIN MANAGEMENT AND SYSTEMS INTEGRATION.....	7,472	7,472	7,472	7,472
DEFENSE ACQUISITION CHALLENGE PROGRAM.....	---	26,463	---	25,713
TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT.....	424,870	458,333	397,370	443,783
RDT&E MANAGEMENT SUPPORT SPECIAL TECHNICAL SUPPORT.....	19,274	27,274	19,274	27,274
UNEXPLODED ORDNANCE DETECTION AND CLEARANCE.....	---	5,000	---	10,000
TRANSFORMATION INITIATIVES PROGRAM.....	9,977	---	---	---
DEFENSE READINESS REPORTING SYSTEM (DRRS).....	19,691	19,691	19,691	19,691
JOINT SYSTEMS ARCHITECTURE DEVELOPMENT.....	4,989	4,989	4,989	4,989
THERMAL VICAR.....	7,263	7,263	7,263	7,263
TECHNICAL STUDIES, SUPPORT AND ANALYSIS.....	30,618	31,618	30,618	31,618
CRITICAL TECHNOLOGY SUPPORT.....	1,937	1,937	1,937	1,937
BLACK LIGHT.....	21,535	21,535	21,535	21,535
FOREIGN MATERIAL ACQUISITION AND EXPLOITATION.....	35,572	37,072	35,572	36,572
INTERAGENCY EXPORT LICENSE AUTOMATION.....	5,882	5,882	5,882	5,882
DEFENSE TRAVEL SYSTEM.....	28,508	28,508	28,508	28,508
JOINT THEATER AIR AND MISSILE DEFENSE ORGANIZATION....	86,409	86,409	86,409	86,409
CLASSIFIED PROGRAM USD(P).....	---	85,000	---	90,000

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		(In thousands of dollars)		
	Budget	House	Senate	Conference
FOREIGN COMPARATIVE TESTING.....	35,633	35,633	35,633	35,633
SUPPORT TO NETWORKS AND INFORMATION INTEGRATION.....	11,490	12,490	20,690	19,590
GENERAL SUPPORT TO USD (INTELLIGENCE).....	4,830	4,830	4,830	4,830
CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM.....	42,652	42,652	37,652	37,652
CLASSIFIED PROGRAMS - C3I.....	---	25,000	---	22,000
SMALL BUSINESS INNOVATION RESEARCH/CHALLENGE ADMINISTR	1,999	4,999	1,999	3,499
DEFENSE TECHNOLOGY ANALYSIS.....	7,279	7,279	7,279	7,279
FORCE TRANSFORMATION DIRECTORATE.....	19,591	44,591	19,591	39,591
DEFENSE TECHNICAL INFORMATION SERVICES (DTIC).....	45,203	45,203	45,203	45,203
R&D IN SUPPORT OF DOD ENLISTMENT, TESTING & EVALUATION	10,598	10,598	10,598	10,598
DEVELOPMENT TEST AND EVALUATION.....	8,882	8,882	8,882	8,882
MANAGEMENT HEADQUARTERS (RESEARCH & DEVELOPMENT) DARP.	46,689	46,689	46,689	46,689
INFORMATION TECHNOLOGY RAPID ACQUISITION.....	19,958	9,958	---	5,000
INTELLIGENCE SUPPORT TO INFORMATION OPERATIONS (IO)...	12,878	12,878	12,878	12,878
PENTAGON RESERVATION.....	13,884	13,884	13,884	13,884
MANAGEMENT HEADQUARTERS - MDA.....	141,923	100,023	141,923	116,923
IT SOFTWARE DEV INITIATIVES.....	1,700	1,700	1,700	1,700
TOTAL, RDT&E MANAGEMENT SUPPORT.....	696,844	789,467	671,109	803,509
OPERATIONAL SYSTEMS DEVELOPMENT				
PARTNERSHIP FOR PEACE (PFP) INFORMATION MANAGEMENT SYS	6,995	6,995	6,995	6,995
CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS D	2,178	2,178	2,178	2,178
ISLAND SUN.....	1,663	1,663	1,663	1,663
C4I INTEROPERABILITY.....	41,074	44,074	41,074	43,624
JOINT ANALYTICAL MODEL IMPROVEMENT PROGRAM.....	5,577	5,577	5,577	5,577
NATIONAL MILITARY COMMAND SYSTEM-WIDE SUPPORT.....	1,240	1,240	1,240	1,240
DEFENSE INFO INFRASTRUCTURE ENGINEERING AND INTEGRATIO	2,517	2,517	2,517	2,517
LONG HAUL COMMUNICATIONS (DCS).....	11,401	11,401	11,401	11,401
MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK....	7,261	7,261	7,261	7,261
INFORMATION SYSTEMS SECURITY PROGRAM.....	11,135	11,135	11,135	11,135
INFORMATION SYSTEMS SECURITY PROGRAM.....	477,846	479,346	477,846	479,346

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		(In thousands of dollars)		
	Budget	House	Senate	Conference
C4I FOR THE WARRIOR.....	4,177	4,177	4,177	4,177
C4I FOR THE WARRIOR.....	24,712	24,712	24,712	24,712
GLOBAL COMMAND AND CONTROL SYSTEM.....	43,693	43,693	57,293	54,893
JOINT SPECTRUM CENTER.....	18,941	18,941	18,941	18,941
DEFENSE COLLABORATION TOOL SUITE (DCTS).....	8,503	8,503	8,503	8,503
NET-CENTRIC ENTERPRISE SERVICES (NCES).....	52,059	52,059	52,059	52,059
TELEPORT PROGRAM.....	10,272	10,272	10,272	10,272
SPECIAL APPLICATIONS FOR CONTINGENCIES.....	20,758	22,758	20,758	22,458
CRITICAL INFRASTRUCTURE PROTECTION (CIP).....	28,021	28,021	28,021	28,021
DEFENSE JOINT COUNTERINTELLIGENCE PROGRAM (JMIP).....	32,939	32,939	32,939	32,939
DEFENSE JOINT COUNTERINTELLIGENCE PROGRAM (JMIP).....	---	17,000	---	16,000
NET CENTRICITY.....	214,222	144,222	120,722	134,222
INDUSTRIAL PREPAREDNESS.....	11,005	37,505	25,005	40,280
LOGISTICS SUPPORT ACTIVITIES.....	11,389	11,389	11,389	11,389
MANAGEMENT HEADQUARTERS (OJCS).....	22,421	22,421	22,421	22,421
NATO JOINT STARS.....	30,399	30,399	30,399	30,399
SPECIAL OPERATIONS TECHNOLOGY DEVELOPMENT.....	---	5,000	---	2,500
SPECIAL OPERATIONS ADVANCED TECHNOLOGY DEVELOPMENT....	---	25,500	6,000	26,000
SPECIAL OPERATIONS TACTICAL SYSTEMS DEVELOPMENT.....	311,966	369,566	67,728	92,828
CV-22.....	---	---	75,131	75,131
AIRCRAFT DEFENSIVE SYSTEMS.....	---	---	58,041	58,041
AVIATION SYSTEMS ADV DEVELOPMENT.....	---	---	66,982	85,482
ASDS.....	---	---	15,614	20,000
SPECIAL OPERATIONS INTELLIGENCE SYSTEMS DEVELOPMENT...	25,015	37,015	47,015	49,815
SOF OPERATIONAL ENHANCEMENTS.....	57,643	74,343	74,643	85,093
TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT.....	1,497,022	1,593,822	1,447,652	1,579,513

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	Budget	(In thousands of dollars)		
		House	Senate	Conference

CLASSIFIED PROGRAMS.....	3,578,082	3,461,582	3,385,410	3,470,574
DARPA - UUNDISTRIBUTED REDUCTION.....	---	---	---	-50,000
MISSILE DEFENSE PROGRAMS--UNDISTRIBUTED REDUCTION.....	---	---	---	-180,000

TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, DW.....	20,739,837	20,851,271	20,404,563	20,983,624

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EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

R-1	Budget Request	House	Senate	Conference
2 DEFENSE RESEARCH SCIENCES	143,729	168,729	150,729	171,129
Spin Electronics		+19,000		+16,200
Comparative Genomics for National Security Goals		+3,000		+3,000
Nano-photonics Systems Fabrication		+3,000	+4,000	+3,000
BioInterfaces			-10,000	-6,000
Advanced Photonic Composites Research			+5,000	+3,500
Biological Detection of Unexploded Ordnance and Land Mines			+2,500	+1,900
Molecular Electronics			+2,500	+1,900
Photonics Technology Access Program			+1,000	+1,000
Space Based Active Sensors			+2,000	+1,400
Material Characterization and Meteorology Center				+500
(Note: Only for the SJSU nano-technology research, engineering, and training.)				
Repeatable and Robust Lithographic Processes on the Nanoscale				+1,000
3 UNIVERSITY RESEARCH INITIATIVES	0	8,500	0	0
MEMS Sensors for Rolling Element Bearing (Note: Transferred to RDTE,A, Line 3)		+2,000		0
Smart Responsive Nanocomposite Systems (Note: Transferred to RDTE,A, Line 3)		+4,000		0
Cognitive Wireless Networks (Note: Transferred to RDTE,A, Line 3)		+1,000		0
Global Infrasound Monitoring of the Atmosphere (Note: Transferred to RDTE,A, Line 3)		+1,500		0
6 GOVERNMENT/INDUSTRY COSPONSORSHIP OF UNIVERSITY RESEARCH	0	8,000	7,000	7,000
Semiconductor Research - Focus Center Research Program		+8,000	+7,000	+7,000
7 DEFENSE EXPERIMENTAL PROGRAM TO STIMULATE COMPETITIVE	9,590	9,590	14,090	13,390
Additional Funding			+4,500	+3,800
8 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	36,769	50,019	59,269	55,019
National Center for Biodefense		+1,000		+1,000
Fluorescence Activated Sensing Technology (FAST)		+4,000	+4,000	+4,000
Integrated Threat Management System				
Research to Discover Neutralizing Antibodies to Mycotoxins		+250		+250
Bug to Drug		+6,000	+7,000	+6,000
New York Structural Biology Center		+2,000		+1,000
Biodefense Research			+1,500	+1,000
Therapeutic Approaches to Anthrax and Ricin Toxins			+4,000	+2,000
Therapeutic Phosphorodiamidate Morpholino Oligomer Approaches			+6,000	+3,000
9 MEDICAL FREE ELECTRON LASER	9,668	9,668	18,668	18,668
Medical Free Electron Laser			+9,000	+9,000

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R-1	Budget Request	House	Senate	Conference
10 HISTORICALLY BLACK & HISPANIC SERVING INSTITUTE SCIENCES	14,192	19,192	17,192	21,192
Hispanic Serving Institution RDT&E Project Grants		+5,000		+4,250
Tribal Colleges - Science Lab and Computer Equipment			+3,000	+2,250
Montford Point Marine Corps Project				+500
12 COMPUTING SYSTEMS AND COMMUNICATIONS TECHNOLOGY	342,614	345,614	0	0
NASEC Through Wall Radar Imaging (Note: Transferred to Line 16)		+3,000		0
Funding Transferred to New PEs			-342,614	-342,614
12A INFORMATION AND COMMUNICATIONS TECHNOLOGY	0	0	193,956	192,656
Transfer from PE 0602301E (ST - 11,19,24,28,29)			+191,456	191,456
Secure Group Communications			+2,500	1,200
12B COGNITIVE COMPUTING SYSTEMS	0	0	151,158	151,158
Transfer from PE 0602301E (ST - 30-33)			+151,158	151,158
14 BIOLOGICAL WARFARE DEFENSE	147,533	156,533	156,833	161,033
Center for Tropical Disease Research and Training		+3,000		+2,800
Chemically Programmable Immunity		+1,000		+1,000
Asymmetric Protocols for Biological Defense		+4,000		+2,000
Center for Water Security-Aquatic Technology and Environmental Research		+1,000		+1,000
New Approaches to Weaponized Infectious Organisms			+2,000	+1,000
Antimicrobial Research Program			+3,000	+2,100
BioScience for Informatics			+1,300	+1,000
Non-invasive Biomodulation			+3,000	+2,600
15 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	104,385	167,885	153,139	171,710
Agent Detection and Neutralization System (AFSOC)		+1,000		+1,000
Agent Fate Program		+2,000		+1,000
Air Contaminant Monitoring System - SCAQMD		+1,000		+1,000
Alternative Delivery Methods for Recombinant Protein Vaccines		+1,000	+6,000	+3,900
Bio-Chem Vaporous Hydrogen Peroxide Decon for Military Aircraft and Equipment		+3,000		+1,500
Bioinformatics Research (Note: Transferred to RDTE,A Line 3)		+2,000		0
Chem-Bio Protective Suit Membrane Research		+5,000		+3,750
Early Warning and Detection Program		+1,000		+1,000
Epidemic Outbreak Surveillance/Biosurveillance Data Warehouse		+1,000		0
Future Force Warrior Program - Nanowire Mesh		+1,000	+1,854	+1,300
Fabrics for Chem-Bio Agent Defense				
Genetic Reassortment by Mismatched Repair- Enhanced Acute Biowarfare Therapy Program		+2,000		+1,000
Global Pathogen Portal		+2,000		+1,400
Heat Shock Protein Rapid Vaccine		+3,000		+1,800
Heteropolymer Anthrax Monoclonal Antibody		+1,000		+1,000
IMS Sample Concentration and Bioagent Detection		+1,000		+1,000
Integrated Biodefense Research		+2,000		+1,000
Low-cost Automated Gas Chromatograph/Flame Photometric Detector System		+3,000		+1,500
Low-cost Chem-Bio Protective Shelter Development		+5,000		+3,750
LSH-SAW Hand-held Biosensor		+3,000	+6,000	+4,200

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R-1	Budget Request	House	Senate	Conference
Multi-Purpose Biodefense Immunoarray		+1,500		+1,100
Mustard Gas Antidote Research		+2,000	+9,000	+6,750
Rapid Antibody-Based Biological Countermeasures (RABB-C)		+2,000		+1,400
Rapid Response Deployable Vaporous Hydrogen Peroxide Bio-Chem (Transferred to RDTE,A, Line 16)		+1,000		0
Real Time Non-specific Viral Agent Detection		+2,000		+2,000
Remote Optical Sensing Program		+1,000		+1,000
Systems for Sampling and Detecting Bioaerosols		+3,000		+1,500
Technology for the Protection of Water and Air Systems		+2,000		+1,200
Virginia Bioinformatic Institute		+5,000		+2,500
Zumwalt Program for Countermeasures to Biological and Chemical Threats		+4,000		+2,000
BioTerNet Networking and Strain Tracking			+1,000	+1,000
CBRN Countermeasures			+5,000	+2,500
Chemical Agent Persistence Model			+2,900	+2,175
Chemical Imaging for Food and Water Safety			+5,000	+3,500
Novel Viral Biowarfare Agent ID and Treatment			+4,000	+2,800
Advanced Emergency Medical Response (Note: Transferred to RDTE,A, Line 31)			+3,000	0
Research on a Molecular Approach to Hazardous Materials Decontamination			+1,000	+1,000
Vaccines and Therapeutics to Counter Biological Threats			+4,000	+2,800
Neurotoxin Mitigation Research				+1,000
16 TACTICAL TECHNOLOGY	339,175	342,175	316,575	342,825
National Cyber Security Center		+1,000		+1,000
Tactical Awareness for Friend or Foe		+2,000		+1,300
Novel Sensors for Force Protection			-6,400	-3,200
SIER			-4,000	0
Laser Star			-3,000	-3,000
Walrus			-10,000	0
Combat Zones that See			-6,200	-2,000
CEROS			+7,000	+7,000
NASEC Through Wall Radar Imaging (Transferred from Line 12)				+2,550
17 MATERIALS AND ELECTRONICS TECHNOLOGY	502,044	518,544	3,000	0
Center for Optoelectronics and Optical Communications (Transferred to Line 17B)		+5,000	+3,000	0
Cryo-Power Electronics Development for the All- Electric Ship Program (Transferred to Line 17A)		+2,500		0
MMI/MBI Nanotechnology Solutions (Transferred to Line 17A)		+4,000		0
SEMATECH (Transferred to Line 17A)		+5,000		0
Funding Transferred to New Program Elements			-502,044	-502,044
17A MATERIALS TECHNOLOGY	0	0	253,836	258,836
Transfer from PE 0602712E (MPT - 01 & 09)			+249,336	+249,336
BioFabrication			-5,500	-5,500
Advanced Materials for Electromagnetic Devices			+4,000	+2,000
Strategic Materials			+4,000	+3,400
Friction Stir Welding of High Temperature Materials			+2,000	+1,300
Cryo-Power Electronics Development for the All- Electric Ship Program (Transferred from Line 17)				+1,300

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R-1	Budget Request	House	Senate	Conference
MMI/MBI Nanotechnology Solutions (Transferred from Line 17)				+2,000
Advanced Processing and Prototyping Center at SEMATECH (Transferred from Line 17)				+5,000
17B ELECTRONICS TECHNOLOGY	0	0	212,708	263,808
Transfer from PE 0602712E (MPT-02, 06, 08)			+252,708	+252,708
Funding from previously cancelled program (Transferred to Undistributed Reduction below the table)			-50,000	0
Characterization, Reliability, and Applications of Microstructures			+3,000	+1,800
Nanoscale Organic Spontronic Program			+2,000	+1,400
Nanoelectronic Defense and Security Initiative			+3,000	+1,500
Testing and Evaluation of Advanced Composite Ground Radomes			+2,000	+1,400
Center for Optoelectronics and Optical Communications (Includes House project transferred from Line 17)			+3,000	+5,000
18 WMD DEFEAT TECHNOLOGY	249,786	255,786	249,786	253,786
Xenon Filled Gamma Ray Detectors		+1,000		+1,000
Center for Nonproliferation Studies		+1,000		+1,000
Force Protection Applied Technology		+3,000		+1,000
Center for Blast Mitigation Protection		+1,000		+1,000
19 STRATEGIC DEFENSE TECHNOLOGIES	116,113	117,113	116,113	117,113
Integrated WMD Detection Network		+1,000		+1,000
20 MEDICAL TECHNOLOGY	10,084	10,084	14,084	13,484
Hibernation Genomics			+4,000	+3,400
24 MEDICAL ADVANCED TECHNOLOGY	2,063	6,563	3,563	4,763
Ex-Rad Radiation Protection Program		+3,000		+1,500
Computer-Aided Detection and Diagnosis of Breast Cancer (Transferred to Title VI, DHP)		+1,500		0
Integrated Medical Information Technology System			+1,500	+1,200
26 SO/LIC ADVANCED DEVELOPMENT	32,682	34,682	34,682	36,382
Wide Area Surveillance System (WASS)		+2,000		+1,700
High Rate Packet Inspection "Packet Storm"			+2,000	+1,000
USSOCOM Reconnaissance and Surveillance Program				+1,000
27 COMBATING TERRORISM TECHNOLOGY SUPPORT	46,719	93,819	76,719	99,984
Counter-Terrorism - Intelligence Surveillance Reconnaissance System (CT-ISR)		+2,500	+4,000	+2,800
Early Responder Distance Learning Center		+2,600		+1,690
Asymmetric Warfare Initiative		+6,500		+3,250
Collaborative and Virtual Reality Training Pilot		+3,000		+1,500
Collaborative First Responder Training		+1,000		+1,000
3D Facial Recognition Technology		+1,000		+1,000
Distributed Intrinsic Chemical Agent Sensing and Transmission		+5,000		+4,250
WMD Emergency Responder Training at the National Terrorism Preparedness Institute		+3,500		+2,975
CBRNE Force Response Element - Education, Development, Operations, and Mitigation (FREEDOM)		+3,000		+2,550

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R-1	Budget Request	House	Senate	Conference
Technical Support Working Group		+5,000	+5,000	+5,000
Facility Security		+8,000		+6,800
Remote Detection of Concealed Explosives (Note: Only for development and implementation of the Remote Detection of Concealed Explosives Program)		+1,000		+1,000
Security Perimeter Awareness Network (SPAN)		+2,000		+1,400
Advanced Robotic Vehicle Development		+3,000		+1,950
Blast Mitigation			+10,000	+7,000
Explosive Loading Laboratory Testing			+8,000	+7,600
QR Technology Based Vehicle Bomb Detection			+3,000	+1,500
28 COUNTERPROLIFERATION ADVANCED DEVELOPMENT	74,456	76,456	95,456	92,156
Advanced Materials Research for Nuclear Detection Counter-proliferation (Note: Only for continuation of mercuric iodide research)		+2,000		+1,700
Detective (HPGe) Radio-Isotope Identifier			+1,000	+1,000
Guardian Portable Radiation Search Tool			+20,000	+15,000
29 BALLISTIC MISSILE DEFENSE TECHNOLOGY	204,320	196,320	232,120	228,270
MKV Technology		-25,000		0
Army Counterspace Technology (ACT) Testbed		+10,000		0
Advanced Processing Architecture (APA)		+2,000		+1,000
Next-Generation Radiation Hard CMOS		+2,000	+3,300	+2,700
Ultra-Thin Integrated Electronics Miniaturization		+3,000		+1,000
Trusted Foundry				
Massively Parallel Optical Interconnects for Microsatellites			+4,500	+3,400
Center for Optical Logic Devices			+1,000	+1,000
Silicon Carbide Wide Band Gap Research			+4,000	+2,800
Multiple Target Tracking Optical Sensor Array Technology (MOST)			+2,000	+1,700
Advanced RF Technology Development			+5,000	+4,250
SiC Thick Film Mirror Coatings			+3,000	+2,550
Porous Silicon			+3,000	+2,550
Tulane Missile Defense			+2,000	+1,000
30 JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPM	23,319	23,319	26,819	25,769
Advanced Metallized Gelled Propellants			+3,500	+2,450
31 AUTOMATIC TARGET RECOGNITION	0	0	0	0
32 ADVANCED AEROSPACE SYSTEMS	361,067	364,067	0	0
Improving Suborbital Space Operations (Transferred to Line 32B)		+3,000		0
Funding Transferred to New Program Elements			-361,067	-361,067
32A ADVANCED AEROSPACE	0	0	87,347	101,847
Transfer from 0603285E (ASP- 01)			+111,847	+111,847
Walrus			-10,000	-10,000
Canard Rotor Wing			-14,500	0

R-1	Budget Request	House	Senate	Conference
32B SPACE PROGRAMS AND TECHNOLOGY	0	0	222,220	235,020
Transfer from 0603285E (ASP- 02)			+249,220	+249,220
Orbital Express			-10,000	-10,000
RASCAL			-10,000	-5,000
Improved Suborbital Operations (Includes House project transferred from Line 32)			+8,000	+4,800
CAV			-25,000	-12,500
Joint NASA/ DoD Development			+10,000	+8,500
33 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM - ADVANCED DEVELOPMENT	117,343	176,843	173,843	185,143
Adaptation Gaseous and Liquid Technology		+2,000		+1,000
Decontamination				
Advanced Engineered Enzyme Decontamination Systems		+3,000		+2,000
Bioterrorism Preparedness		+4,000		+2,000
Center for Applied Science and Engineering for Expanded Development of Advanced Manufacturing Technologies		+8,000		0
Center for BioDefense		+1,000		+1,000
Countermeasures to Chemical and Biological Defense/Rapid Response		+10,000		+8,500
Detecting Contaminants in Drinking Water		+4,000		+2,600
Dual Use Detection Technology for Sick Building Syndrome		+1,000		+1,000
E-Smart Threat Agent Network		+6,000		+3,000
Hand Held Biological Agent Detection (HBAD)		+2,000	+4,000	+2,000
Hand Held Biosensor and Continuous Monitor for Biodetection		+4,000		+3,400
Industry-Based Research to Miniaturize Chemical and Biological Detectors (Continuation only)		+2,000		+1,700
National Testbed for Rescue Robotics		+1,000		+1,000
Polymer-Based Bio-Mems		+2,000		+1,200
Protection Against Toxic Industrial Chemical		+1,000		+1,000
Rapid Response Bio-Chem Decon, Liquid and Dry (Decon Green)		+3,500		+1,750
Rapid Response Database Systems Center		+1,000		+1,000
Removal of NBC Agents in Drinking Water		+4,000		+2,800
Bioadhesion Research to Combat Biological Warfare			+5,500	+3,850
Hi-Int Pulsed Radiation for Chem & BioAgent Defeat			+2,000	+1,000
Immunochemical Biological/Chemical Threat Agent Detector			+3,500	+2,300
Laser Interrogation of Surface Agents (LISA) Inspector (Includes transfer from Line 82)			+6,000	+4,200
Oral Adjuvants			+1,500	+1,000
Oral Anthrax/Plague Vaccine			+4,000	+2,800
Plant Vaccine Development			+7,000	+3,500
Rapid Response Sensor Networking for Multiple Applications			+1,500	+1,000
Reactive Air Purification for Individual and Collective Protection (RAPICP)			+8,000	+5,600
Vaccines, Alternative Delivery Methods for Recombinant Protein Vaccines (Transferred to RDTE,DW Line 15)			+6,000	0
Polyclonal human antibody production system			+4,000	+3,000
Water Quality Sensors			+3,500	+2,600

R-1	Budget Request	House	Senate	Conference
34 JOINT UNMANNED COMBAT AIR SYSTEMS (J-UCAS) ADVANCED TECHNOLOGY DEVELOPMENT AND RESEARCH	284,617	449,617	288,617	363,617
Program Adjustment		+165,000		+77,000
Lithium Ion Battery for Joint Unmanned Combat Air System			+4,000	+2,000
35 SPECIAL TECHNICAL SUPPORT	0	6,000	0	3,000
MultiView: Data Standards for Integrated Digital Environmental		+6,000		+3,000
37 GENERIC LOGISTICS R&D TECHNOLOGY	27,542	107,792	111,042	145,617
Advanced Microelectronics Feature Size Migration		+2,000		+1,000
Advanced Microelectronics Yield Enhancement		+2,000		+1,000
Aging Systems Sustainment and Enabling Technologies (ASSET)		+1,000	+3,000	+1,500
California Center for Nano-science Innovation for Defense (CalCNID)		+10,000		+8,500
California Manufacturing Technology Center (CMTC)		+8,000		+6,800
Connectory for Rapid Identification of Technology Sources for DoD		+2,000		+1,500
Distributed Inventory Management System		+1,250		+1,000
DMS Center of Excellence Program		+1,000		+1,000
Emerging/Critical Interconnection Technology Program		+3,000		+1,500
Ferrite Technology		+3,000		+1,500
High Temperature Superconducting Transceiver Program		+1,000		+1,000
Long Term Support of Microelectronic Technology Research		+7,000		+5,950
Miniature Tunable RF Front End (Note: To develop a complete suite of tunable RF components and salient software for families of miniaturized tunable military RF radio front ends)		+3,000		+2,550
New England Manufacturing Supply Chain		+4,000	+8,000	+5,600
Optical Manufacturing for Extreme Ultraviolet (EUV) Lithography (Note: Only to establish an extreme ultra violet optical manufacturing capability in the USA)		+3,500		+3,000
Optimized Electronics for Advanced Controlled Environment Systems (ACES)		+8,000		+6,800
Ruggedized Military RFID Tags (Note: Only for ruggedized RFID tags leveraging emerging integrated RF electronics for low power, long range and non- volatility, and implemented with fluidic self assembly to ensure low cost)		+4,000		+3,400
Secure Digital Coherent Optical Communications (Note: Only to continue and expand the ongoing program)		+3,500		+2,975
Spray Cooling Migration Program		+9,000		+6,300
Superlattice Nanotechnology		+4,000		+3,000
Chameleon Miniaturized Wireless System			+11,000	+7,700
Diminishing Manufacturing Source (DMS)			+2,000	+1,000
Government Industry Data Exchange Program			+3,000	+2,500
Manufacturing Extension Partnership - Midwest Consortium			+2,000	+2,000
MicroElectronics Testing, Technology and Obsolescence Program			+7,500	+5,250
Nano-structured Carbon for Radiation Shielding of Microelectronics			+2,000	+2,000

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R-1	Budget Request	House	Senate	Conference
Next Generation Air Start Cart			+2,000	+1,400
Smart Scanning RFID Tag Reader			+3,000	+2,100
Spray Technique Analysis and Research for Defense			+2,000	+1,000
STAR4D Painting and Coating Pollution Prevention			+1,000	+1,000
Ultra-low Power Battlefield Sensor System			+30,000	+21,000
Vehicle Fuel Cell Program			+7,000	+5,250
38 STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM	56,936	61,436	56,936	57,936
Institute of Environmental and Human Health Toxic Chemical Cleanup		+1,500		+1,000
National Environmental Educational and Training Center		+3,000		0
39 JOINT WARFIGHTING PROGRAM	9,936	9,936	10,936	10,936
Joint Navigational Warfare			+1,000	+1,000
40 ADVANCED ELECTRONICS TECHNOLOGIES	218,151	224,151	225,151	227,851
Embedded Intelligence: Migrating PreAct Symbolic Constructs into Hardware		+4,000		+2,850
Three-dimensional Imaging Technology Development		+1,000		+1,000
Crystals Materials for Electro-Optic Imaging and Communication		+1,000		+1,000
Advanced Lithography-Thin Film Excellence			+5,500	+3,850
MIL Tech Extension			+1,500	+1,000
41 ADVANCED CONCEPT TECHNOLOGY	213,901	224,901	217,901	219,001
Low Cost Autonomous Attack System		+2,000		+1,000
Flexible JP-8 (Single Battlefield Fuel) Pilot Plant Program (Transferred to RDTE,A ,Line 14)		+4,000		0
Remote Unattended Sensing System (RUSS)		+1,500		+1,050
SecureD Hardware Encryption Device		+2,000	+4,000	+2,000
Maria Tactical Mapping System		+1,500		+1,050
42 HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM	186,666	209,666	236,766	238,216
Data Intensive High Performance Computing		+3,000		+2,100
Army High Performance Computing Research Center (Note: Only for the Army High Performance Computing Research Center (AHPARC) High Performance Computing systems and networks, user support, AHPARC-based staff scientist and research support staff, technology exchange and summer institute programs and research activities)		+15,000	+15,000	+15,000
High Performance Computer Prototype - Naval Research Lab		+5,000		+4,250
High Performance Computing Visualization Initiative (HPCVI)			+4,000	+2,800
Multithread Architecture (MTA) Upgrade			+4,000	+2,800
Simulation Center HPC Upgrade			+5,000	+3,500
ARSC			+6,600	+5,600
MHPCC Technology Upgrade			+15,500	+15,500
43 COMMAND, CONTROL AND COMMUNICATIONS SYSTEM	225,784	225,784	221,784	221,784
Space Based Networking			-4,000	-4,000

R-1	Budget Request	House	Senate	Conference
44 SENSOR AND GUIDANCE TECHNOLOGY	337,117	344,617	0	0
Sandia National Laboratories Intelligent Systems and Robotics Center (Tranferred to Line 44A)		+3,500		0
360 Degree Portable Surveillance and Reconnaissance Unit (Transferred to Line 44A)		+4,000		0
Funding Transferred to New PEs			-337,117	-337,117
44A SENSOR TECHNOLOGY	0	0	194,373	203,773
Transfer from PE 0603762E (SGT - 02 -04)			+199,873	+199,873
ISIS			-5,500	-3,000
Sandia National Laboratories Intelligent Systems and Robotics Center (Transferred from Line 44)				+3,500
360 Degree Portable Surveillance and Reconnaissance Unit (Transferred from Line 44)				+2,400
Wireless Vibration Sensor Initiative				+1,000
44B GUIDANCE TECHNOLOGY	0	0	137,244	137,244
Transfer from PE 0603762E (SGT - 01 and CLS)			+137,244	+137,244
47 CLASSIFIED DARPA PROGRAMS	238,131	238,131	88,131	188,331
Classified Reduction			-150,000	-49,800
49 DISTRIBUTED LEARNING ADVANCED TECHNOLOGY	13,756	16,756	13,756	16,306
NetCentric Warrior Training (NetCWT)		+3,000		+2,550
52 QUICK REACTION SPECIAL PROJECTS	64,389	42,926	64,389	42,926
Defense Acquisition Challenge Program (Note: Transferred to Line 100A)		-21,463		-21,463
55 TECHNOLOGY LINK	1,934	7,934	2,934	8,084
IEE Technology Transfer Project		+1,000	+1,000	+1,500
Remote Presence (Note: Only to develop and demonstrate red cell and remote presence technology for transition to joint and first responder applications)		+2,000		+1,700
Technology Matching System		+3,000		+1,950
Environmental Bioterrorism Detection				+1,000
57 SPECIAL OPERATIONS ADVANCED TECHNOLOGY DEVELOPMENT	48,803	48,803	59,803	50,803
ANGELFIRE/FCLAS Full Spectrum Active Protection Close-in Layered System (note: moved to line 198)			+8,000	0
Long Range Biometric Target Identification System			+3,000	+2,000
58 PHYSICAL SECURITY EQUIPMENT	0	8,000	19,000	17,900
Persistent Perimeter Security with Unmanned Mobile Sensors		+3,000	+9,000	+6,300
Demonstration and Evaluation of Environmental Management System for Defense Facilities		+1,000		+1,000
Security Enhancements through Mobile Devices (SEMD)		+4,000		+2,800
Family of Integrated Rapid Response Equipment			+10,000	+7,800

R-1	Budget Request	House	Senate	Conference
59 JOINT ROBOTICS PROGRAM	11,771	19,771	15,771	21,821
Digital Communicator		+1,000		+1,000
Robotics Curriculum Partnership		+1,000		+1,000
Under Vehicle Mobile Inspection/Search UGV (ODIS)		+5,000		+4,250
Remotely Operated Electronic Ballistic Technology		+1,000		+1,000
National Unmanned Systems Experimentation Environment			+4,000	+2,800
60 ADVANCED SENSOR APPLICATIONS PROGRAM	17,581	28,581	22,581	26,731
Ceramics for Next Generation Tactical Laser System		+3,000		+1,500
Force Protection - Advanced Tactical Geolocation		+3,000		+1,950
Multi-Wavelength Surface Scanning Biologics Sensor		+2,000		+1,500
Secure Airborne Freespace Optical Communication		+3,000	+2,000	+2,100
Advanced Solid State Dye Laser			+3,000	+2,100
62 ENVIRONMENTAL SECURITY TECHNICAL	32,546	35,046	36,546	38,046
Perchlorate Remediation R&D, Rialto-Colton Basin		+2,500	+4,000	+4,000
Perchlorate Destruction by UV Catalyzed Iron Reaction (Note: Transferred from Environmental Restoration, DW)				+1,500
64 ADVANCED CONCEPTS, EVALUATIONS AND SYSTEMS	256,159	231,159	256,159	231,159
Reduce programmed growth		-25,000		-25,000
66 BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT	937,748	876,248	1,017,748	944,248
System Level Program Management		-31,500		-31,500
Flight test schedule slip		-30,000		-30,000
Arrow			+80,000	+68,000
67 BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT	4,384,775	4,369,775	4,548,275	4,630,450
Long lead materials for interceptors #31-40		-35,000		-28,000
S-Band Advanced Radar (SBAR) Algorithm Research and Analysis in Support of MDA-Specific Applications		+20,000		+15,000
Allen Army Airfield Upgrades			+22,000	+22,000
Fort Greely Power Plant Feasibility Study			+2,500	+2,200
GMD Enhancements			+100,000	+200,000
PMRF Upgrades			+25,000	+22,575
Sensor Data Fusion and Communications			+3,000	+2,550
Range Mission Tool			+3,000	+2,550
SHOTS			+5,000	+4,250
Multi-Frame Blind Deconvolution			+3,000	+2,550
Kauai Test Facility			[4,000]	[4,000]
68 BALLISTIC MISSILE DEFENSE BOOST DEFENSE SEGMENT	492,614	495,614	497,614	498,364
Combined Environment Radiation Effects Simulator		+3,000		+1,500
International Cooperation			+5,000	+4,250
69 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM - DEM/VAL	104,195	104,195	112,195	108,195
Nano Intelligent Detection System Handheld Biological Agent Detectors			+8,000	+4,000

R-1	Budget Request	House	Senate	Conference
70 BALLISTIC MISSILE DEFENSE SENSORS	591,957	594,957	613,457	605,807
Airborne Infrared Surveillance (AIRS) System		+3,000	+15,000	+9,000
Improved Materials for Optical Memories			+5,500	+3,850
Ground-Based Studies of Rocket Plume Signatures			+1,000	+1,000
71 BALLISTIC MISSILE DEFENSE SYSTEM INTERCEPTOR	511,262	398,262	259,262	348,262
New - Reduced Programmed Growth				-163,000
Deployment study		-45,000		0
NFIRE		-68,000		0
Kinetic Energy Interceptor			-227,000	0
Block 2012 International Cooperation			-25,000	0
Near Field Infrared Experiments (NFIRE)			[68,000]	[68,000]
72 BALLISTIC MISSILE DEFENSE TEST & TARGETS	713,658	713,658	713,658	716,658
Scorpius Sub-Orbital Family of Responsive, Low-Cost Rockets				+3,000
73 BALLISTIC MISSILE DEFENSE PRODUCTS	418,608	388,608	413,608	405,108
Reduce programmed growth		-30,000		-30,000
ACT - Army Counter-Space Technology			+20,000	+14,000
Joint National Integration Center			+5,000	+2,500
C2BMC National Team Unjustified Program Growth			-30,000	0
74 BALLISTIC MISSILE DEFENSE SYSTEMS CORE	479,764	310,264	454,764	409,614
Excessive Overhead Costs		-175,000		0
Electro-Optic Components for Missile Defense		+1,500		+1,300
Sensor Electronics Life Cycle Cost Reduction		+3,000		+2,550
Wide Bandwidth Technology (WBT)		+1,000		+1,000
Corporate Lethality Testing			-5,000	0
System Engineering and Integration National Team			-20,000	-75,000
Unjustified Program Growth				
78 JOINT UNMANNED COMBAT AIR SYSTEMS (J-UCAS) ADVANCED COMPONENT AND PROTOTYPE DEVELOPMENT	422,873	260,784	222,873	222,873
Program Adjustment		-162,089		0
Program Restructure			-200,000	-200,000
80 REDUCTION OF TOTAL OWNERSHIP COST	27,351	10,351	0	0
Unjustified Program		-17,000	-27,351	-27,351
81 JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGF	6,679	6,679	16,679	15,279
Delta Mine Training Center			+5,000	+4,300
HIPAS			+5,000	+4,300
82 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM - EMD	152,379	187,879	145,879	168,979
Chem Bio Defense Initiative		+25,000		+20,000
Passive Materials for Chemical and Biological Agent Decontamination		+2,000		+1,000
Joint Biological Point Detection		+1,500	+5,000	+3,500
Joint Warning and Reporting Network (JWARNS)		+3,000		+2,100

R-1	Budget Request	House	Senate	Conference
Laser Interrogation of Surface Agents (Transferred to line 33)		+1,000		0
Array Biosensor Biological Agent Detection System Implementation		+3,000		+2,550
JCAD - Cancellation			-15,000	-15,000
ParallelVax Rapid Vaccine Testing Technology			+3,500	+2,450
83 MANPADS DEFENSE PROGRAM	14,135	9,635	22,135	12,235
Program Reduction		-6,500		-6,500
Counter ManPads Airspace Protection System		+2,000	+3,000	+2,100
MANPADS Defense			+5,000	+2,500
84 JOINT ROBOTICS PROGRAM - EMD	13,845	28,845	29,845	33,445
Joint Robotics Initiative		+12,000		+6,000
National Center for Defense Robotics		+3,000		+1,500
INEEL Unmanned Systems Research			+4,500	+2,700
Robotics Greenhouse Initiative			+2,500	+1,750
Joint Robotics			+4,000	+3,400
Integrated Test Support			+5,000	+4,250
93 FINANCIAL MANAGEMENT SYSTEM IMPROVEMENTS	94,767	49,767	49,767	49,767
Reduce Programmed Growth		-45,000	-45,000	-45,000
95 INFORMATION SYSTEMS SECURITY PROGRAM	2,493	6,993	2,493	5,393
JITC Information Assurance Trend/Metric Analysis Support		+2,500		+1,900
Center for Secure Telecommunications		+2,000		+1,000
97 JOINT COMMAND AND CONTROL PROGRAM (JC2)	3,000	4,500	3,000	4,000
Internet Protocol Version 6		+1,500		+1,000
100A DEFENSE ACQUISITION CHALLENGE PROGRAM		26,463	0	25,713
DACP (Note: Transferred from Line 52)		+5,000		+4,250
101 SPECIAL TECHNICAL SUPPORT	19,274	27,274	19,274	27,274
Classified adjustment		+8,000		+8,000
104 UNEXPLODED ORDNANCE DETECTION AND	0	5,000	0	10,000
Project Renew		+5,000		+5,000
Wide Area Site Assessment Pilot Program for UXO Cleanup				+5,000
103 TRANSFORMATION INITIATIVES PROGRAM	9,977	0	0	0
Unjustified Program		-9,977	-9,977	-9,977
108 TECHNICAL STUDIES, SUPPORT AND ANALYSIS	30,618	31,618	30,618	31,618
NDU Technology Pilot Program		+1,000		+1,000
112 FOREIGN MATERIAL ACQUISITION AND EXPLOITATION	35,572	37,072	35,572	36,572
Weather Scout UAV		+1,500		+1,000
116 CLASSIFIED PROGRAM USD(P)	0	85,000	0	90,000
Classified adjustment		+85,000		+90,000
118 SUPPORT TO NETWORKS AND INFORMATION	11,490	12,490	20,690	19,590
Command Information Superiority Architectures Program		+1,000	+2,200	+1,100
Pacific Disaster Center			+7,000	+7,000

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R-1	Budget Request	House	Senate	Conference
120 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	42,652	42,652	37,652	37,652
Management Support Cost Growth			-5,000	-5,000
125 CLASSIFIED PROGRAMS - C3I	0	25,000	0	22,000
Independent Component Analysis Technology for Army		+18,000		+18,000
GCS (ASRVC2P - Fleet Voice Command and Control)				
Foreign Supplier Assessment Center		+5,000		+3,000
Advanced Shipboard Acoustical Communications		+1,000		+1,000
CIPOC Visual Security Operations Monitoring and Support		+1,000		0
126 SMALL BUSINESS INNOVATION	1,999	4,999	1,999	3,499
Electro-Magnetic Flak Impulse Systems Technology		+3,000		+1,500
128 FORCE TRANSFORMATION DIRECTORATE	19,591	44,591	19,591	39,591
Operationally Responsive Satellite		+25,000		+20,000
133 INFORMATION TECHNOLOGY RAPID ACQUISITION	19,958	9,958	0	5,000
Reduce Programmed Growth		-10,000	-19,958	-14,958
137 MANAGEMENT HEADQUARTERS-BMDO	141,923	100,023	141,923	116,923
Reduce programmed growth		-41,900		-25,000
144 C4I INTEROPERABILITY	41,074	44,074	41,074	43,624
System of Systems Engineering Center of Excellence (SOSECE)		+3,000		+2,550
159 INFORMATION SYSTEMS SECURITY PROGRAM	477,846	479,346	479,346	479,346
Center for Computer Security		+500		+500
CyberTA (Note: Only for development of CyberTA program to develop real-time detection of emerging Internet threats and develop solutions to actively guard against cyber-attacks.)		+1,000		+1,000
162 GLOBAL COMMAND AND CONTROL SYSTEM	43,693	43,693	57,293	54,893
National Information Assurance and Training			+1,600	+1,000
Joint Information Technology Project - Alaska			+12,000	+10,200
167 SPECIAL APPLICATIONS FOR CONTINGENCIES.	20,758	22,758	20,758	22,458
Tactical Imagery Communications Unit (TICU)		+2,000		+1,700
174 DEFENSE JOINT COUNTERINTELLIGENCE PROGRAM	0	17,000	0	16,000
Defense Joint Counterintelligence Center, Research and Technology Protection Program		+17,000		+16,000
180 NET CENTRICITY	214,222	144,222	120,722	134,222
Program Growth		-70,000	-93,500	-80,000
192 INDUSTRIAL PREPAREDNESS	11,005	37,505	25,005	40,280
Copper-base Casting Technology Program (C-BCT)		+1,000	+2,000	+1,200
Next Generation Manufacturing Technologies Initiative		+1,000	+5,000	+3,750
Defense Supply Chain Technology		+8,000		+6,800
Defense Procurement Technical Assistance Initiative for Small Businesses		+1,500		+1,275
Manufacturing Engineering of Spray Cooling		+15,000		+12,750
Advanced Manufacturing Institute			+3,000	+1,500
Laser Additive Manufacturing			+4,000	+2,000

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R-1	Budget Request	House	Senate	Conference
197 SPECIAL OPERATIONS TECHNOLOGY DEVELOPMENT	0	5,000	0	2,500
SPIKE Missile Development and Production		+5,000		+2,500
198 SPECIAL OPERATIONS ADVANCED TECHNOLOGY DEVELOPMENT	0	25,500	14,000	26,000
Snapshot Synthetic Aperture Radar		+1,000		+1,000
Battery-free Remote Sensing		+2,000		+1,500
ANGELFIRE Active Protection Integrated Sensor/Countermeasure Package		+6,000	+8,000	+7,000
Neptune Maritime Unmanned Aerial Vehicle		+2,000		+1,200
Surveillance Augmentation Vehicle-Insertable on Request		+1,000		+1,000
Remote Video Weapon Sight		+2,000		+1,700
Advanced Multi-purpose Microdisplay System		+3,000		+1,500
Compact Three-Dimensional Imaging		+1,000		+1,000
Autonomous Navigation Sensor Suites		+1,500		+1,300
Foliage Penetrating Solid State Synthetic Aperture Radar		+6,000		+5,100
SOF Experimental Technology Integration			+4,000	+2,000
Land and Sea Special Operations Mobility Systems (LASSO)			+2,000	+1,700
199 SPECIAL OPERATIONS TACTICAL SYSTEMS DEVELOPMENT	311,966	369,566	67,728	92,828
Multi-Role, Anti-Armor, Anti-Personnel Weapon System (MAAWS) Multi-Target Warhead (Only for continued development and integration of Multi-Target Warhead into AT4CS)		+4,000		+3,400
Mark V Patrol Boat Replacement Craft Prototype		+5,000		+2,500
Tactical Systems Development for a SOF Covert Waveform Program		+1,000		+1,000
Sensor Integration with Lithium Polymer Batteries		+5,000		+2,500
MBITR Blue Force Tracking capability		+4,000		+2,000
Tactical Communication Systems Testbed Initiative		+3,000		+2,600
Next Generation Navigation System		+1,000		+1,000
SOCOM Rotary Wing UAV (Note: only for procurement of not fewer than seven prototype aircraft and for extensive TAFT/TTP development)		+32,000		+22,000
ASDS Restructure (Note: Transferred to line 199D) Under Execution		+12,600		
		-10,000		-10,000
CV-22 Funding Transfer to New PE			-75,131	-75,131
Aircraft Defensive Systems Transfer to New PE			-58,041	-58,041
Aviation Systems Advanced Development Transfer to New PE			-103,982	-103,982
ASDS Transfer to New PE			-1,614	-1,614
Identify Friend or Foe (IFF) Advanced Target Identification for AC-130U			+2,000	+1,300
Covert Waveform Program			+4,500	+2,300
Fly-by-Wire Program - Transfer to RDTE,A Line 78			-11,970	-11,970
Maritime Tagging, Tracking, and Locating Program (Maritime TTL)				+1,000
199A CV-22	0	0	75,131	75,131
Funding Transfer from 1160404BB			+75,131	+75,131

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R-1	Budget Request	House	Senate	Conference
199B AIRCRAFT DEFENSIVE SYSTEMS	0	0	58,041	58,041
Funding Transfer from 1160404BB			+58,041	+58,041
199C AVIATION SYSTEMS ADVANCED DEVELOPMENT	0	0	66,982	85,482
Funding Transfer from 1160404BB			+103,982	+103,982
CAAP Program			-37,000	-18,500
199D ASDS	0	0	15,614	20,000
Funding Transfer from 1160404BB			+1,614	+1,614
Budget Realignment/Restructure (Transferred from Line 199)			+14,000	+18,386
200 SPECIAL OPERATIONS INTELLIGENCE SYSTEMS DEVELOPMENT	25,015	37,015	47,015	49,815
Only for the UAV Near Real Time Video Program		+2,000		+1,400
Only for Optimal Placement of Unattended Sensors		+1,000		+1,000
Special Operations Joint Interagency Collaboration Center Support Data Site		+3,000		+2,000
Special Operations Forces Teletraining System		+1,000		+1,000
Multipurpose Antenna, X-Band (SMAX)		+2,000		+1,700
SOCOM Microelectromechanical Systems and Nanotechnology		+3,000		+2,600
Foreign Language Translator			+2,000	+1,400
High Altitude Long Endurance			+3,000	+1,500
Application Specific Integrated Circuit (ASIC) Development			+5,000	+3,500
Joint Threat Warning Systems			+7,000	+4,900
Wireless Management & Control Project			+5,000	+3,800
202 SOF OPERATIONAL ENHANCEMENTS	57,643	74,343	74,643	85,093
Only for development of enhancements to Digital Intelligence Situation Mapboards		+1,000		+1,000
Tactical Radio Frequency Environment Monitor (TREX)		+1,000		+1,000
Tactical Surveillance Equipment Integrated Remote Video Surveillance		+3,700		+3,200
Force Protection Electronic Attack Systems		+6,000		+5,100
CSWAN (Note: only for the Covert Self-Organizing Wireless Adhoc Network initiated under SBIR A02-105)		+5,000		+5,250
B-Band Covert Night Vision System			+7,000	+4,900
Nano-Technology Research Effort			+8,000	+5,600
TACTICOMP			+2,000	+1,400
999 CLASSIFIED PROGRAMS	3,578,082	3,461,582	3,385,410	3,470,574
Classified Adjustment		-116,500	-192,672	-107,508
999A DARPA - Undistributed Reduction				-50,000
(Note: This reduction may not be applied to any DARPA projects that have received an increase in this table.)				

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JOINT UNMANNED COMBAT AERIAL SYSTEM (JUCAS)

The conferees agree to provide a total of \$586,490,000 for the Joint Unmanned Combat Aerial System (JUCAS) program instead of \$710,401,000 as proposed by the House and \$510,401,000 as proposed by the Senate.

The conferees agree with the Senate position that the JUCAS program has not been properly coordinated with the Services and that the focus of the program should be on meeting the requirements of the Air Force and Navy. To this end, the conferees direct that \$363,617,000 of the funds provided for the JUCAS shall be used to complete and demonstrate the unmanned combat aerial vehicle technology demonstrators in support of Air Force and Navy requirements for such systems.

The conferees agree to provide \$222,873,000 for JUCAS Advanced Component and Prototype Development, as proposed by the Senate instead of \$260,784,000 as proposed by the House.

FOCUS CENTER RESEARCH PROGRAM

The conferees intend that the \$10,000,000 allocated for DARPA Defense Research Sciences, Electronic Sciences, Semiconductor Technology Focus Center, as requested by the Administration, be used for

basic university research to supplement the \$7,000,000 appropriated for the Focus Center Research Program through the Defense Research and Engineering account. This would provide a total of \$17,000,000 for basic university research by continuing the successful industry, university, and federal agency Focus Center Research partnership. The Focus Center program is designed to develop the next generation of semiconductor microelectronics technologies, increase the United States' global advantage in semiconductor technology, and train the next generation of electronics engineers.

MISSILE DEFENSE PROGRAMS

The conference agreement provides \$9,050,031,000 for the missile Defense programs included in Research, Development, Test and Evaluation, Defense-Wide. Of this amount, \$4,620,825,000 is for the Ballistic Missile Defense (BMD) Midcourse Segment program. The conferees direct that the entire amount provided for the BMD Midcourse Segment is a congressional special interest item for the purpose of prior approval reprogramming, as described elsewhere in this report. The conferees also direct that adjustments made to the various Missile Defense Agency (MDA) program elements, as reflected on the project level tables, are congressional special interest items.

The conferees direct that transfers of funds between the MDA program elements are subject to the same reprogramming guidance applicable to all other research, development, test and evaluation funded activities. Specifically, the conferees direct that the Missile Defense Agency observe the cumulative \$10,000,000 threshold for the reprogramming of research, development, test and evaluation funds. If the combined value of

transfers into or out of a research and development (R-1) line exceeds this threshold, the Department of Defense must submit a prior approval reprogramming request to the congressional defense committees. The Department shall also observe the limitation that prior approval reprogrammings are set at either the specific dollar threshold or 20 percent of the procurement or research and development line, whichever is less. The conferees further direct that any taxes, withholds or undistributed reductions to the MDA programs be made in accordance with applicable guidance described elsewhere in this report.

BMDS OPERATIONS

The conferees strongly support the Ground-Based Midcourse (GMD) program. The conferees further understand that this program has experienced significant funding challenges associated with the decision to begin fielding missile defense for the United States in late 2004. Accordingly, the conferees have provided an additional \$200,000,000, specifically to address these requirements. Furthermore, the conferees direct the Missile Defense Agency to fully fund this critical program in the fiscal year 2006 budget submission to include manning, operation and maintenance, contractor logistical support, and physical security and force protection costs. The conferees expect the fiscal year 2006 budget request to provide this level of detail regarding BMDS operations and costs. In addition, the conferees direct that the Secretary of Defense submit to the congressional defense committees not later than February 7, 2005, a report that outlines the DoD plan to provide adequate resources necessary for the operation and maintenance (including logistical support and physical security) and manning of the Ballistic Missile Defense System.

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INTEGRATED FLIGHT TEST-13C (IFT-13C)

The conferees are aware that the Missile Defense Agency (MDA) is finalizing preparations for Integrated Flight Test-13C scheduled for August 2004. The conferees share the view expressed in the report accompanying the House version of the fiscal year 2005 DoD Appropriations bill that this ~~test represents an~~ important milestone. The conferees are also aware that logistical details may potentially change the date of this test. Accordingly, the conferees direct the Director of the Missile Defense Agency to provide a report to the congressional defense committees within 30 days of the conclusion of IFT-13C, in both classified and unclassified form, including a detailed assessment of the results of IFT-13C.

SCORPIUS

The conference agreement includes an additional \$3,000,000 to continue work on the Scorpius family of rockets. In past years, the Congress has provided additional funding above the budget request and is concerned by DoD's lack of effort to follow through on this program. Accordingly, the conferees direct the Secretary of the Air Force and the Director of the Missile Defense Agency to jointly provide a report to the congressional defense committees on the Department's proposed course of action for this program within 30 days of enactment of this Act. The conferees further direct that the report identify the resources required to complete the program, and whether such resources are included in the Future Year's Defense Program.

OPERATIONAL TEST AND EVALUATION, DEFENSE

The conference agreement on items addressed by either the House or the Senate is

as follows:

	Budget	(In thousands of dollars)		
		House	Senate	Conference

OPERATIONAL TEST & EVAL, DEFENSE				
ADVANCED TECHNOLOGY DEVELOPMENT				
TEST & EVALUATION SCIENCE & TECHNOLOGY.....	16,295	16,295	14,795	14,795

TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT.....	16,295	16,295	14,795	14,795
RD&E MANAGEMENT SUPPORT				
CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT (CT	123,562	127,562	130,562	135,762
OPERATIONAL TEST AND EVALUATION.....	42,390	42,390	42,390	42,390
LIVE FIRE TESTING.....	10,209	10,209	10,209	11,209
DEVELOPMENT TEST AND EVALUATION.....	112,679	112,679	107,179	110,679

TOTAL, RD&E MANAGEMENT SUPPORT.....	288,840	292,840	290,340	300,040

TOTAL, OPERATIONAL TEST & EVAL, DEFENSE.....	305,135	309,135	305,135	314,835

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EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

R-1	Budget Request	House	Senate	Conference
1 TEST & EVALUATION SCIENCE TECHNOLOGY	16,295	16,295	14,795	14,795
Execution/Delays			-1,500	-1,500
2 CENTRAL TEST AND EVALUATION INVESTMENT	123,562	127,562	130,562	135,762
Joint Gulf Range Complex Upgrade		+4,000		+2,000
Unmanned systems testbed project/Pathfinder demo			+5,000	+4,300
UAV Systems and Operations Validation Facility			+7,000	+4,900
Film Elimination Project			+1,000	+1,000
Resource Enhancement Project			-6,000	0
4 LIVE FIRE TESTING	10,209	10,209	10,209	11,209
Joint Test and Training Rapid Advanced Capabilities				+1,000
5 DEVELOPMENT TEST AND EVALUATION	112,679	112,679	107,179	110,679
JTCG/ME			-3,000	0
Threat Systems			-2,500	-2,000

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TITLE V – REVOLVING AND MANAGEMENT FUNDS

DEFENSE WORKING CAPITAL FUNDS

The conferees recommend an appropriation of \$1,174,210,000 for the Defense Working Capital Funds as proposed by the House instead of \$1,685,886,000 as proposed by the Senate.

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NATIONAL DEFENSE SEALIFT FUND

National Defense Sealift Fund

The conferees agree to provide a total of \$1,204,626,000 for the National Defense Sealift Fund instead of \$1,186,990,000 as proposed by the House and \$441,936,000 as proposed by the Senate.

Within the funds provided, the conferees agree that \$768,400,000 is for construction of two T-AKE vessels as proposed in the fiscal year 2005 budget request and \$28,000,000 is for the Maritime Pre-positioning Fleet (Future), MPF(F).

The conferees agree that none of the funds provided for the MPF(F) may be obligated or expended until the Secretary of the Navy submits to the congressional defense committees, a detailed report on the MPF(F) mission, operational requirements, analysis of alternatives, expenditure plans, and overall program congruence with ongoing forcible entry studies.

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TITLE VI—OTHER DEPARTMENT OF DEFENSE PROGRAMS

The conference agreement on items addressed by either the House or the Senate is as follows:

	Budget	(In thousands of dollars)		
		House	Senate	Conference

TITLE VI				
OTHER DEPARTMENT OF DEFENSE PROGRAMS				
Defense Health Program:				
Operation and maintenance.....	17,203,369	17,148,069	17,299,369	17,297,419
Procurement.....	364,635	364,635	366,235	367,035
Research and development.....	72,407	446,482	399,207	506,982
	-----	-----	-----	-----
Total, Defense Health Program.....	17,640,411	17,959,186	18,064,811	18,171,436
Chemical Agents & Munitions Destruction, Army:				
Operation and maintenance.....	1,138,801	1,138,801	1,088,801	1,088,801
Procurement.....	78,980	78,980	78,980	78,980
Research, development, test and evaluation.....	154,209	154,209	206,209	205,209
	-----	-----	-----	-----
Total, Chemical Agents	1,371,990	1,371,990	1,373,990	1,372,990
Drug Interdiction and Counter-Drug Activities, Defense	852,697	876,697	908,797	906,522
Office of the Inspector General	244,562	193,562	244,562	204,562
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Total, title VI, Other Department of Defense Programs.....	20,109,660	20,401,435	20,592,160	20,655,510
	=====	=====	=====	=====

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DEFENSE HEALTH PROGRAM

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

	Budget Request	House	Senate	Conference
OPERATION AND MAINTENANCE	17,203,369	17,148,069	17,299,369	17,297,419
IN-HOUSE CARE	4,668,716	4,636,416	4,764,716	4,785,766
Army Fisher House NAFI		+11,000		+9,500
Boorda Center				+650
Colon Cancer Program (NNMC)		+7,000		+6,000
Defense and Veterans Head Injury Program		+3,000	+7,000	+6,000
Collaborative Wound Healing Initiative (transfer to RDTE,A Line 29)		+500		0
GAO Estimate Annual Unobligated Funds		-50,000		0
Graduate School of Nursing		+2,000	+2,500	+2,500
Landstuhl Army Medical Center SRM		+10,000		+8,500
White River Junction-Fort Ethan Allen Resource Sharing Demonstration		+500		+500
Madigan Army Medical Center Trauma Assistance		+1,000	+2,000	+1,300
Military to Civilian Conversion Delay (Note: due to a delay in execution of conversion by the Navy that was to begin in June 2004)		-18,000		0
Military-Civilian Education and Sexual Health Decision-Making Program		+200		+200
Paralyzed Veterans Association		+1,000		+1,000
Smart Shelf Chain of Custody and Control of Medical Records (Transfer from RDTE,A Line 31)		+3,000		+4,400
Third Party Collections GAO Report		-15,000		0
US Air Force Medical Service Database (Note: only for continuing the existing program)		+500		+500
USUHS Training for Medical Readiness against WMD		+3,000		+1,500
WRAMC Amputee Center		+8,000	+7,800	+7,800
Alaska Federal Health Care Network			+2,500	+2,500
Automated Clinical Practice Guidelines			+6,500	+5,500
Brown Tree Snakes			+1,000	+1,000
Center for Disaster Humanitarian Assistance Medicine (USUHS)			+1,000	+1,000
Digital Access and Analysis of Historic Records at AFIP			+20,000	+17,000
Health Study at the Iowa Army Ammunition Plant			+1,000	+1,000
Pacific Island Health Care Referral			+5,000	+4,250
Special Operations Injury Prevention Program			+2,200	+1,650
Tri-Service Nursing Research Program			+6,000	+6,000
Tripler Cancer Care			+10,000	+8,500

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	Budget Request	House	Senate	Conference
Walter Reed Army Medical Center SRM			+10,000	+8,500
Walter Reed Army Medical Center Cancer Screening and Diagnostics			+11,500	+9,800
PRIVATE SECTOR CARE	8,953,494	8,953,494	8,953,494	8,953,494
CONSOLIDATED HEALTH CARE SUPPORT	997,200	997,200	997,200	997,200
INFORMATION MANAGEMENT	789,524	766,524	789,524	766,524
Medical Data Records Conversion at WRAMC		+1,000		+1,000
Medical Data Records Conversion at NNMC		+1,000		+1,000
Financial Information Systems Excess Program Growth-All Other Office Automation (TMA)		-25,000		-25,000
MANAGEMENT ACTIVITIES	223,881	223,881	223,881	223,881
EDUCATION AND TRAINING	398,773	398,773	398,773	398,773
BASE OPERATIONS/COMMUNICATIONS	1,171,781	1,171,781	1,171,781	1,171,781
PROCUREMENT	364,635	364,635	366,235	367,035
Support Equipment for Amputee Center at Walter Reed Army Medical Center			+1,600	+1,400
Protected Health Information Initiative				+1,000
RESEARCH, DEVELOPMENT, TEST AND EVALUATION	72,407	446,482	399,207	506,982
Air Force Environmental and Occupational Factors in Womens Health Program		+1,500		+1,300
Air Force Integrated Medical Information Technology System (IMITS) Initiative		+3,000		+2,600
Army Peer-Reviewed Breast Cancer Research Program		+150,000		+150,000
Army Peer-Reviewed Prostate Cancer Research Program		+85,000		+85,000
Assessment and Demonstration Center for USAF Surgeon General		+4,000		+3,400
Cancerous Brain Tumors Drug Research		+1,000		+1,000
Military Complementary and Alternative Medicine (MIL-CAM)		+1,500	+3,000	+2,100

	Budget Request	House	Senate	Conference
Comprehensive Reproductive System Care Program (Note: only for the continued coordination between Walter Reed Army Medical Center, a rural non-profit medical research institute, and a non-profit medical foundation, to provide a program for reproductive systems risk assessment, diagnosis, treatment, and cutting-edge research) - (Transfer to RDTE,A Line 29)	+14,000			0
Computer Assisted Medical Diagnostics	+3,000			+1,500
Direct Real-Time Secure Collaborative Application/Analysis Sharing Environment for the USAF Surgeon General	+1,000			+1,000
DNI Anthrax Therapeutic	+2,000			+1,700
Genetic Cancer Research in Women	+3,000			+1,500
Global HIV/AIDS Prevention	+10,000			+7,500
Gynecological Cancer Center (Transfer to RDTE,A Line 29)	+3,000			0
Healthcare Informatics Testbed	+2,000			+1,700
Leukemia Research (CMLRP)	+5,000			+4,250
Metabolic Defense (Note: only to systematically identify and investigate selected dietary and nutritional supplements (DNS) for enhancing and maintaining military personnel readiness, effectiveness and well- being)	+2,500			+2,200
Life Sciences Research Initiative				+500
Motion Coupled Visual Environment (MOCOVE) for Motion Sickness Relief (Transfer to RDTE,N-Line 11)	+1,000			0
Muscular Dystrophy Research	+3,000			+2,500
Muscle Research Consortium	+5,000		+1,000	+3,500
National Diabetes Model Program (Type 2 Diabetes Research with the Air Force)	+20,000			+16,000
Neuroscience Research (Note: only for the public/private effort among DoD Medical Treatment Facilities, the Uniformed Services University of Health Sciences, an appropriate not- for-profit Medical Foundation, and a primary health care center to provide a comprehensive program in Neurosciences for DoD medical beneficiaries)	+5,000			+4,250
Ophthalmology Training and Education	+3,000			+1,500
Ovarian Cancer Research Program	+10,000			+10,000
Periscopic Surgery	+2,500			+2,200
Portable Remote Medical Collection and Relay Capability	+2,000			+1,000

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	Budget Request	House	Senate	Conference
Preventing Epilepsy after Traumatic Brain Injury		+1,500		+1,000
Prosthetics and Orthotics Education Program		+575		+575
Rapid Identification and Treatment for AFSOC Forces		+4,000	+7,500	+4,000
Real Time Healthcare Management Integration Demonstration with the USAF Surgeon General		+1,000		+1,000
Spinal Cord Injury Research (Note: only for the project to cure paralysis)		+3,000		+1,500
Tuberous Sclerosis Complex (TSC)		+4,000		+3,200
United States Military Cancer Institute		+4,000		+5,000
Virtual Colonoscopy - WRAMC		+2,000		+1,300
Virtual Medical Trainer		+1,000		+1,000
WRAMC Amputee Center Clinical and Applied Collaborative Research and Prosthetic Limb Development (Note: not less than \$1,500,000 only for clinical evaluation of vacuum assisted suspension systems)		+10,000	+9,000	+10,000
Peer Reviewed Cancer Research Program			+200,000	0
Peer Reviewed Medical Research Program			+50,000	+50,000
Aircrew Laser Eye Protection (ALEP)			+6,500	+5,500
Alliance for NanoHealth (Transfer to RDTE,A Line 31)			+1,000	0
Clinical Coupler Integration			+4,000	+2,800
Gulf War Illness			+5,000	+3,750
Hawaii Federal Health Care Network			+25,000	+23,000
Integrative Healing Practices for Veterans			+2,000	+1,400
Manganese Health Research			+3,000	+2,250
Medical Error Reduction Initiative			+1,000	+1,000
National Prion Research Program (Transfer from RDTE,A Line 2)			+2,000	+1,500
Preventive Medicine Research for Prostate Cancer			+2,000	+1,400
Telerobotic and Minimally Invasive Surgery at WRAMC			+4,800	+4,100
Computer-Aided Detection and Diagnostics of Breast Cancer (Transfer from RDTE,DW Line 24)				+1,100
OPERATION AND MAINTENANCE	17,203,369	17,148,069	17,299,369	17,297,419
PROCUREMENT	364,635	364,635	366,235	367,035
RESEARCH, DEVELOPMENT, TEST AND EVALUATION	72,407	446,482	399,207	506,982
TOTAL	17,640,411	17,959,186	18,064,811	18,171,436

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DEFENSE HEALTH PROGRAM REPROGRAMMING PROCEDURES

The conferees remain concerned regarding the transfer of funds from Direct (or In-house) Care to pay for contractor-provided medical care. To limit such transfers and continue oversight within the Defense Health Program operation and maintenance account, the conferees have included bill language which limits the funds available for Private Sector Care under the TRICARE program subject to prior approval reprogramming procedures. In addition, the conferees also designate the funding for the Direct Care System as a special interest item, as defined elsewhere in this report. Any transfer of funds from the Direct (or In-house) Care budget activity into the Private Sector Care budget activity or any other budget activity will require the Department of Defense to follow prior approval reprogramming procedures. The bill language and accompanying report language included by the conferees should not be interpreted by the Department as limiting the amount of funds that may be transferred to the direct care system from other budget activities within the Defense Health Program.

In addition, the conferees direct the Department of Defense to provide budget execution data for all of the Defense Health Program accounts. Such

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budget execution data shall be provided quarterly to the congressional defense committees through the DD-COMP(M) 1002 accounting form.

PEER REVIEWED MEDICAL RESEARCH PROGRAM

The Senate recommended \$50,000,000 for a Peer Reviewed Medical Research program. The conferees agree to provide \$50,000,000 for this program, and recommend the following projects as candidates for study: acellular human tissue matrix research; amyotrophic lateral sclerosis; alcoholism research; anti-radiation drug development; autism; blood-related cancer research; Interstitial Cystitis; childhood asthma; chronic pain research; conjugate vaccines to prevent shigellosis; diabetes research; Duchenne's disease research; epilepsy research; Lupus and Lupus-Biomarker Research; orthopaedic extremity trauma research; osteoporosis and bone-related diseases; Padgett's disease; post traumatic stress disorders; social work research; Volume Angio CAT (VAC) research; and autoimmune diseases such as scleroderma and Sjogren's syndrome.

The conferees direct the Department to provide a report by March 1, 2005, on the status of this Peer Reviewed Medical Research Program.

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WALTER REED ARMY MEDICAL CENTER -- AMPUTEE PATIENT CARE PROGRAM

Ongoing combat operations have produced a surge from 3 to 6 percent in complex combat injuries involving amputations of major limbs. The Military Amputee Patient Care Program headquartered at Walter Reed Army Medical Center provides a center of expertise for state-of-the-art treatment, the rehabilitation of military amputee patients to the highest level of physical function, and a return to active duty if possible. The conferees commend the Army and those associated with this vital effort.

The conferees recommend an additional \$19,200,000 over the budget request for this program. This includes \$7,800,000 for operating costs associated with the center, including but not limited to personnel, equipment, patient travel, and prosthetic device costs; and \$10,000,000 for prosthetic limb development and increased clinical and applied collaborative research in prosthetic care. Finally, the conferees provide an additional \$1,400,000 for procurement of support equipment to enhance the new facility at Walter Reed Army Medical Center.

ARMY FISHER HOUSES

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The conferees include a General Provision as proposed by the House, which provides \$2,000,000 for construction and furnishing of additional Fisher Houses to meet the needs of military family members when confronted with the illness or hospitalization of an eligible military beneficiary.

The conferees also provide \$9,500,000 in the Defense Health Program for the Army's nonappropriated fund instrumentalities (NAFI), as opposed to \$11,000,000 proposed by the House. The conferees are aware that the NAFI, which was established by law to help defray the operating costs of Fisher Houses, have decreased in value due to poor financial market performance. The conferees are also aware that the costs to manage many Fisher Houses are much higher than planned due to an influx of patients at military treatment facilities as a result of casualties suffered during Operations Iraqi and Enduring Freedom. The funds provided to the NAFI will help to mitigate any deficit which may occur in fiscal year 2005 and prevent this deficit in future years. The conferees direct the Secretary of Defense to analyze the financial condition of the Fisher House operating accounts and submit a report to the congressional defense committees by March 1, 2005.

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MENTAL HEALTH SERVICES

The conferees believe that hardships resulting from U.S. troop deployments to Iraq and Afghanistan make it imperative for the Department of Defense to offer adequate mental health services for active duty and reserve members deployed to combat theaters. The conferees also are concerned that sufficient mental health services be made readily available to dependents of active duty and reserve members. As such, the conferees direct the Secretary of Defense to conduct a comprehensive review of mental health services available to our military members deployed in combat theaters, as well as a review of services that may be available to their dependents during and after a military member's deployment. The report should be submitted to the congressional defense committees no later than 180 days after enactment of this bill. The review should include, but not be limited to, the following subjects:

- Data on the average number of service days lost due to mental health reasons;
- The types of measures taken by the military services to reduce the stigma often associated with mental health counseling;
- An analysis of mental health services available -- and barriers to access -- to active duty and reserve members and their dependents (including

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dependents of activated members of the National Guard and Reserve Components);

- An analysis of the extent to which the U.S. Army has implemented the recommendations of the Army's Mental Health Advisory Team; and
- A plan for actions that the Secretary of Defense determines appropriate for improving the delivery of mental health services to members of the Armed Forces and their dependents.

The conferees further direct the Secretary of Defense to submit a report to the congressional defense committees not later than 360 days after enactment of this bill describing the actions taken to implement the aforementioned plan and the reason why actions in the plan have not been completed, if any.

THIRD PARTY COLLECTIONS

The House and Senate both expressed concern with the lack of third-party collections as outlined in General Accounting Office (GAO) report 04-322R. According to the GAO report, DoD's Third-Party Collections Program generates on average about \$122 million annually. However, total collections for fiscal year 2003 were down \$30 million from the previous

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year, and the GAO has further documented that DoD fails to collect \$44 million a year from third party insurers. It is clear that DoD's failure to effectively bill and collect from third-party insurers pursuant to law precludes the military treatment facilities from maximizing the resources available to them. The conferees also have concerns that DoD reduced its Information Technology budget for third-party outpatient collection systems from fiscal year 2004 to fiscal year 2005.

The conferees direct the Department to report to the congressional defense committees by April 1, 2005, regarding the status of the transition to outpatient itemized billing and how third-party collections have progressed since the implementation of this system began in fiscal year 2003. Finally, the conferees direct the Assistant Secretary of Defense (Health Affairs) to make the necessary business process improvements to ensure that Military Treatment Facilities are collecting all appropriate third-party payments, and to submit quarterly reports to the congressional defense committees on the status of collections during the current fiscal year.

CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, ARMY

The conference agreement on items addressed by either the House or the Senate is
as follows:

	Budget	(In thousands of dollars)		
		House	Senate	Conference

CHEM AGENTS & MUNITIONS DESTRUCTION, ARMY				
CHEM DEMILITARIZATION - O&M.....	1,138,801	1,138,801	1,088,801	1,088,801
CHEM DEMILITARIZATION - PROC.....	78,980	78,980	78,980	78,980
CHEM DEMILITARIZATION - RDTE.....	154,209	154,209	206,209	205,209

TOTAL, CHEM AGENTS & MUNITIONS DESTRUCTION, ARMY....	1,371,990	1,371,990	1,373,990	1,372,990

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DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES,
DEFENSE

The conference agreement includes \$906,522,000 for “Drug Interdiction and Counter-drug Activities, Defense” as opposed to \$876,697,000 as proposed by the House and \$908,797,000 as proposed by the Senate. Adjustments to the budget request are as follows:

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Drug Interdiction and Counter-Drug Activities, Defense

Budget Request	House	Senate	Conference
852,697	876,697	908,797	906,522

RECOMMENDED INCREASES:

Criminal Information Sharing Alliance Network (CISA)	5,000		4,250
Florida National Guard Counter-Drug Activities	3,000		2,550
Indiana National Guard Counter-Drug Activities	1,000		500
Joint Task Force-6	2,000		1,250
Multi-Jurisdictional Counterdrug Task Force Training	3,500		3,500
Nevada National Guard Counter-Drug Activities	3,000		1,500
Project Athena Beta Site	2,500		1,250
Southwest Border Fence	7,000		5,000
Tennessee National Guard Counter-Drug Activities	2,000		1,200
Volume Test Site for Point Sensors at NSWC	3,000		0
(Note: transferred to RDT&E, N - line 79)			
Young Marines	3,000		2,550
Alaska National Guard Counter-drug Program		3,000	2,550
Hawaii National Guard Counter-drug Program		3,000	2,700
Appalachia High Intensity Trafficking Area		1,500	1,125
West Virginia National Guard Counter-drug Program		3,000	2,550
Kentucky National Guard Counter-drug and HIDTA Program		3,600	2,700
Nevada National Guard CD RAID Program		3,000	2,250
New Mexico National Guard Counter-drug Program		2,000	1,000
Regional Counter-drug Training Academy, Mississippi		3,000	2,100
Northeast Regional Counter-drug Training Center		4,000	2,800
Midwest Regional Counter-drug Training Center		5,000	3,500
National Guard Counter-drug Support		25,000	18,000

RECOMMENDED REDUCTIONS

Tethered Aerostat	-5,000		-3,500
Hemispheric Radar System	-5,000		-5,000
Intelligence, Surveillance, Reconnaissance and Tanker Support	-1,000		-1,000
LEA Support/OCONUS Operations Support			-1,500

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OFFICE OF THE INSPECTOR GENERAL

The conferees have agreed to provide a total amount of \$204,562,000 for the Office of the Inspector General. Of this amount \$202,362,000 shall be for operation and maintenance, \$2,100,000 shall be for procurement, and \$100,000 shall be for research, development, test and evaluation. The conferees have provided funds to ensure that aggressive implementation of all efforts to achieve the Department of Defense's high priority goal of gaining clean and auditable financial statements is supported including necessary growth in audit capability.

ENERGY CONTRACT REVIEW

The conferees are aware that the Department of Defense issued a \$36,000,000 contract to Reliant Energy Solutions East to provide electricity to military installations on May 19, 2004. The Federal Acquisition Regulation authorizes the suspension of a contractor on the basis of adequate evidence of any offense "indicating a lack of business integrity or business honesty that seriously and directly affects the present responsibility of the contractor." The conferees direct the Department of Defense Inspector General to review the contract and to take any necessary action against Reliant Energy, Inc. and its subsidiaries, if appropriate. The Department is directed to report to the Committees on Appropriations within 180 days of

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~~9 Committees on Appropriations within 180 days of enactment of this Act on~~
the findings of its review and any subsequent actions taken on this contract.

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TITLE VII – RELATED AGENCIES

CENTRAL INTELLIGENCE AGENCY RETIREMENT AND DISABILITY SYSTEM FUND

The conference agreement appropriates \$239,400,000 for payment to the Central Intelligence Agency Retirement and Disability System Fund, as proposed by both the House and the Senate.

INTELLIGENCE COMMUNITY MANAGEMENT ACCOUNT (INCLUDING TRANSFER OF FUNDS)

The conference agreement appropriates \$310,466,000 instead of \$309,644,000 as proposed by the House and \$319,355,000 as proposed by the Senate.

The conference agreement provides for a transfer of \$39,422,000 to the Department of Justice for the National Drug Intelligence Center to support the Department of Defense's counter-drug intelligence responsibilities, instead of \$46,100,000 as proposed by the House and \$34,911,000 as proposed by the Senate.

NATIONAL SECURITY EDUCATION TRUST FUND

The conference agreement appropriates \$8,000,000 for the purposes of title VIII of Public Law 102-183, to be derived from the National Security Education Trust Fund, as proposed by both the House and the Senate.

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TITLE VIII—GENERAL PROVISIONS

The conference agreement incorporated general provisions of the House and Senate versions of the bill which were not amended. Those general provisions that were amended in conference follow:

The conferees included a general provision (Section 8005) which amends language, as proposed by the House and the Senate, that increases the level of general transfer authority for the Department of Defense, and provides that transfers between military personnel appropriations shall not be taken into account for purposes of the limitation of funds which may be transferred under this section.

The conferees included a general provision (Section 8014) which amends language, as proposed by the House, setting limitations on conversion of Defense Department activities to contractor performance.

The conferees included a general provision (Section 8025) which amends language, as proposed by the Senate, earmarking up to \$2,500,000 of “Operation and Maintenance, Air Force”, for the acquisition of Native Allotment F-14589.

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The conferees included a general provision (Section 8028) which amends language, proposed by the House and Senate, with respect to Federally Funded Research and Development Centers.

The conferees included a general provision (Section 8049) which amends language, as proposed by the House and Senate, recommending rescissions. The rescissions agreed to are:

(RESCISSIONS)

2002 Appropriations:

Shipbuilding and Conversion, Navy: Cruiser Conversion..... \$14,000,000

2003 Appropriations:

Former Soviet Union Threat Reduction: Unobligated balances50,000,000

Aircraft Procurement, Navy: Unobligated balances 50,000,000

Aircraft Procurement, Air Force: Unobligated balances 50,000,000

2004 Appropriations:

Other Procurement, Army: Soldier Enhancement 16,000,000

Aircraft Procurement, Navy: EA-6 Series (Outer Wing Panels)32,800,000

Shipbuilding and Conversion, Navy: SNN ERO (SNN 716)10,300,000

Weapons Procurement, Navy:

Cruiser Modernization6,100,000

ASW Targets (MK-30 MOD2).....19,100,000

Other Procurement, Navy:

Minesweeping Replacement5,200,000

Cruiser Conversion36,500,000

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Procurement, Marine Corps:

AAV7A1PIP28,000,000

Amphibious Raid Equipment.....12,200,000

Other Procurement, Air Force: Classified Programs100,000,000

Procurement, Defense-Wide:

ASDS23,571,000

CV-22 SOF Modification11,000,000

Research, Development, Test and Evaluation, Army:

MEADS.....25,000,000

Biomedical Engineering Technology and Advanced Material1,000,000

Broadband Intelligence Training System.....4,000,000

Research, Development, Test and Evaluation, Navy:

Unmanned Combat Aerial Vehicle15,000,000

Joint Direct Attack Munitions (JDAM) Hornet Autonomous

Real-Time Targeting (HART)31,500,000

Mobile User Objective System (MOUS)102,000,000

Research, Development, Test and Evaluation, Air Force:

Unmanned Combat Aerial Vehicle15,000,000

Classified Programs9,000,000

ADV Polar13,000,000

Global Hawk6,000,000

Common Configurable Remote Interface Unit Initiative3,500,000

C-5 Airlift Squadrons.....11,166,000

Research, Development, Test and Evaluation, Defense-Wide:

Center for Information Assurance2,100,000

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Airborne Laser	40,000,000
RAMOS	26,500,000
Computing and Communications Technology –	
Language Translation.....	6,800,000
Operational Systems Development –	
Management Headquarters	3,300,000

The conferees included a general provision (Section 8067) which amends language, as proposed by the Senate, to conform to current authorization law regarding fees that the Department of State charges to the Department of Defense for the maintenance, upgrade, or construction of U.S. diplomatic facilities. The conferees also provide an exemption to the Central Intelligence Agency with regard to the calculation of these fees.

The conferees included a general provision (Section 8082) which amends language, as proposed by the House, to provide for crediting refunds from government purchase cards, travel cards, and travel arrangements to current accounts in operation and maintenance, and research, development, test and evaluation. The conferees did not make the provision permanent.

The conferees included a general provision (Section 8090) which amends language, as proposed by the House and Senate, to change the dollar amount available for transfer.

The conferees included a general provision (Section 8092) which amends language, as proposed by the Senate, on the Littoral Combat Ship by adjusting the citation for the total amount appropriated.

The conferees included a general provision (Section 8096) which amends language, as proposed by the House and Senate concerning the Arrow missile defense program. The conference agreement provides a total of \$155,290,000 for the Arrow program of which \$68,000,000 is earmarked for missile component co-production.

The conferees included a general provision (Section 8097) which amends language, as proposed by the House, on providing a grant to the California Central Coast Research Partnership.

The conferees included a general provision (Section 8098) which amends language, as proposed by the Senate, that transfers funds to the Coast Guard for

mission essential equipment, and includes language which transfers funds to the Department of the Interior.

The conferees included a general provision (Section 8099) which amends language, as proposed by the House and Senate to provide for transfer of funds for the cost of prior year shipbuilding programs and to repeal Sec. 126 of Public Law 108-136.

The conferees included a general provision (Section 8105) which amends language, as proposed by the House, which reduces \$197,500,000 from other procurement and research, development, test and evaluation accounts for cost growth in information technology development and modernization.

The conferees included a general provision (Section 8106) which amends language, as proposed by the House and Senate, to ensure that written notification is provided prior to initiation of new start programs.

The conferees included a general provision (Section 8109) which amends language, as proposed by the House and Senate, concerning the Non Line of Sight Cannon and Resupply Vehicle (NLOS-C), and Stryker Brigade Combat Teams.

Language revises the fielding date for additional Stryker Brigade Combat Teams.

The conferees included a general provision (Section 8113) which amends language, as proposed by the House and Senate, which provides for grants to various organizations to include \$5,000,000 to the Intrepid Sea-Air-Space Foundation; \$1,875,000 to the Presidio Trust only for renovations of the parade field; \$1,000,000 to the Fort Ticonderoga Association; \$8,500,000 for the Military Aviation Museum of the Pacific; \$10,000,000 to the Wings of Liberty Military Museum at Fort Campbell; \$2,550,000 to the United Services Organization; \$5,000,000 to the Galena IDEA Distance Learning Program; \$1,500,000 to the Wing Luke Asian Museum; \$8,000,000 to the Center for Applied Science and Engineering (Jordan Valley Innovation Park, Springfield, Missouri); \$1,000,000 to the Women in Military Service for America Memorial Foundation; \$2,000,000 to the American Red Cross Greater Alleghenies Blood Services Center; \$4,000,000 to the Clarksville-Montgomery County School System, Tennessee; and \$1,000,000 to the National Museum of Cavalry and Armor at Fort Knox.

The conferees included a general provision (Section 8118) which amends language, as proposed by the Senate, by making permanent language pertaining to section 2533a(f) of title 10 for procurement of any fish, shellfish, or seafood product.

The conferees included a general provision (Section 8122) which amends language as proposed by the House and Senate, reducing amounts available in titles II, III, and IV by \$711,000,000 for savings from assumed management improvements.

The conferees included a general provision (Section 8123) which amends language as proposed by the House and Senate, reducing the amount available in “Operation and Maintenance, Air Force”, by \$967,200,000 for excess Transportation Working Capital Fund cash and directing that not later than 270 days after enactment of this Act, the same amount be transferred from the Transportation Working Capital Fund to “Operation and Maintenance, Air Force”.

The conferees included a general provision (Section 8125) which amends language as proposed by the House, to provide \$3,900,000 from funds available in “Operation and Maintenance, Marine Corps”, for widening, and construction of a pedestrian path, for Adobe Road.

The conferees included a general provision (Section 8126) which amends language, as proposed by the House, making \$2,500,000 available for the MCAGCC Health Demonstration Program.

The conferees included a general provision (Section 8130) which amends language, as proposed by the House, which reduces amounts available in title II of this Act by \$50,000,000 for offsetting of payments to contractors for the collection of unpaid taxes.

The conferees included a general provision (Section 8131) which amends language, as proposed by the House, which reduces funds available in title IV of this Act by revising the amount of the reduction.

The conferees included a general provision (Section 8132) which amends language, as proposed by the House, to establish the “Tanker Replacement Transfer Fund”, and appropriates \$100,000,000 to said fund.

The conferees included a general provision (Section 8133) which amends language, as proposed by the House, which prohibits the amending or cancellation of current Department of Defense policy for “Personal Commercial

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Solicitation on DoD Installations”, until 90 days after completion of a report on insurance premium allotment processing.

The conferees included a general provision (Section 8134) which amends language, as proposed by the House with respect to the due date of a report on the dud rate of cluster munitions.

The conferees included a general provision (Section 8135) which amends language, as proposed by the Senate, which provides from within funds available in “Operation and Maintenance, Navy”, \$2,600,000 for drainage and flood control systems in the vicinity of the Naval Magazine of Lualualei.

The conferees included a general provision (Section 8136) which amends language, as proposed by the Senate, to provide \$2,100,000 from within funds available in “Operation and Maintenance, Navy”, for a grant to the Chicago Public Schools for establishment of a Naval Military Academy High School.

The conferees included a general provision (Section 8140) which amends language, as proposed by the Senate, which reduces funds available in operation and maintenance accounts by \$768,100,000 for excessive unobligated balances.

The conferees included a general provision (Section 8141) which amends language, as proposed by the Senate, to reduce the amount of funds available in title II by \$100,000,000 for excessive cost growth in the travel and transportation of persons.

The conferees included a new general provision (8142) concerning a rescission of funds for unobligated balances. The rescissions agreed to are:

2002 Appropriations:

Aircraft Procurement, Navy: Unobligated balances\$50,000,000

Aircraft Procurement, Air Force: Unobligated balances50,000,000

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Title IX – ADDITIONAL WAR-RELATED APPROPRIATIONS

Department of Defense - Military

The following table provides details of the supplemental appropriations in this title.

[In thousands of dollars]

Account	Conference
Iraq Freedom Fund:	2,000,000
Classified Programs.....	1,800,000
DHS United States Coast Guard Operating Expenses...	¹ [100,000]
Total Iraq Freedom Fund.....	<u>3,800,000</u>
Military Personnel:	
Military Personnel, Army.....	915,700
Military Personnel, Navy.....	27,700
Military Personnel, Marine Corps.....	241,700
Military Personnel, Air Force.....	64,900
Total Military Personnel.....	<u>1,250,000</u>
Operation and Maintenance:	
O&M, Army.....	13,550,000
O&M, Navy.....	367,000
O&M, Marine Corps.....	1,665,000
O&M, Air Force.....	419,000
O&M, Defense-Wide.....	404,000
Total Operation and Maintenance.....	<u>16,405,000</u>
Procurement:	
Procurement of WTCV, Army.....	50,000
Procurement of Ammunition, Army.....	110,000
Other Procurement, Army.....	755,000
Aircraft Procurement, Navy.....	79,000
Procurement of Ammunition, Navy & Marine Corps	30,000
Procurement, Marine Corps.....	150,000
Other Procurement, Air Force.....	110,000
Procurement, Defense-Wide.....	50,000
National Guard and Reserve Equipment.....	50,000
Total Procurement.....	<u>1,384,000</u>
Revolving and Management Funds:	
Defense Working Capital Funds.....	1,478,000
Total Revolving and Management Funds..	<u>1,478,000</u>
Other Department of Defense Programs:	
Defense Health Program.....	683,000
Total Other DoD Programs.....	<u>683,000</u>
Grand Total Title IX.....	<u>25,000,000</u>

¹ Numbers in brackets do not add; represent transfer limitation

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REPORTING REQUIREMENTS

The conferees direct the Secretary of Defense to provide a report to the congressional defense committees within 90 days of enactment of this legislation on the allocation of the funds within the accounts listed in this title. The Secretary shall submit updated quarterly reports thereafter. The conferees direct that these quarterly reports shall include: a detailed accounting of obligations and expenditures of appropriations provided in this title for the continuation of the war in Iraq and Afghanistan; and a listing of equipment procured using funds provided in this title.

MILITARY PERSONNEL

The following table provides details of the recommendation for the military personnel accounts:

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[In thousands of dollars]

Account	Conference
Military Personnel, Army	
Additional Manpower Costs.....	878,000
Extension of Imminent Danger Pay.....	4,900
Extension of Family Separation Pay.....	32,800
Total Military Personnel, Army.....	<u>915,700</u>
Military Personnel, Navy	
Extension of Imminent Danger Pay.....	700
Extension of Family Separation Pay.....	27,000
Total Military Personnel, Navy.....	<u>27,700</u>
Military Personnel, Marine Corps	
Additional Manpower Costs.....	226,000
Extension of Imminent Danger Pay.....	2,400
Extension of Family Separation Pay.....	13,300
Total Military Personnel, Marine Corps	<u>241,700</u>
Military Personnel, Air Force	
Additional Manpower Costs.....	19,900
Extension of Imminent Danger Pay.....	16,500
Extension of Family Separation Pay.....	28,500
Total Military Personnel, Air Force.....	<u>64,900</u>
Total Military Personnel.....	<u>1,250,000</u>

OPERATION AND MAINTENANCE

The following table provides details of the recommendation for the operation and maintenance accounts:

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[In thousands of dollars]

Account	Conference
Operation and Maintenance, Army:	
Incremental Wartime Operating Costs.....	11,409,350
Depot Maintenance.....	220,000
Rapid Fielding Initiative.....	500,000
Interceptor Body Armor with Deltoid Auxiliary Protection	334,600
Additional Manpower Costs.....	227,000
Family Readiness Program.....	15,000
Brigade Restructuring HMMWV Recap.....	56,050
Reset (Delayed Desert Damage 10/20).....	688,000
Captured Ammunition Demilitarization....	100,000
Total Operation and Maintenance, Army.....	<u>13,550,000</u>
Operation and Maintenance, Navy:	
Incremental Wartime Operating Costs.....	225,000
Ship Depot Maintenance.....	76,000
Aircraft Depot Maintenance.....	66,000
Total Operation and Maintenance, Navy.....	<u>367,000</u>
Operation and Maintenance, Marine Corps:	
Incremental Wartime Operating Costs.....	1,544,000
Depot Maintenance.....	43,000
Interceptor Body Armor with Deltoid Auxiliary Protection	78,000
Total Operation and Maintenance, Marine Corps.....	<u>1,665,000</u>
Operation and Maintenance, Air Force:	
Incremental Wartime Operating Costs.....	275,000
Interceptor Body Armor.....	144,000
Total Operation and Maintenance, Air Force.....	<u>419,000</u>
Operation and Maintenance, Defense-Wide:	
Incremental Wartime Operating Costs.....	180,000
SOCOM Body Armor.....	19,000
Defense Information Systems Agency	56,000
Defense Threat Reduction Agency	17,000
Defense Logistics Agency	132,000
Total Operation and Maintenance, Defense-Wide.....	<u>404,000</u>
Total Operation and Maintenance.....	<u>16,405,000</u>

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CONTRACTS FOR SECURITY, TRANSLATION, AND INTERROGATION SERVICES

The conferees direct the Secretary of Defense to provide to the congressional defense committees, not later than four months after the date of enactment of this Act, a list of all contracts entered into by the Department of Defense for the provision of security, translation and interrogation services in Iraq, Afghanistan, or Guantanamo Bay, and the amount of each such contract.

TRAIN AND EQUIP

The conferees have provided an additional \$500,000,000 to train, equip, and provide related assistance to the New Iraqi Army and the Afghan National Army. The conferees have provided this funding level with the understanding it will be sufficient to carry the program through all of fiscal year 2005.

COMMANDER'S EMERGENCY RESPONSE PROGRAM

The conferees have provided an additional \$300,000,000 to continue the Commander's Emergency Response Program (CERP) for Iraq and Afghanistan. The conferees believe CERP has been one of the most successful humanitarian assistance programs in Iraq and Afghanistan. The conferees want to ensure that these funds are directed to such efforts and that

funding for administrative functions are minimized. In addition, the conferees have received only two reports from the Department on the use of the CERP. The conferees concur with the Senate Report 108-284 regarding the timeliness and detail of reporting requirements.

NAVY AIRCRAFT DEPOT MAINTENANCE

The conferees agree to provide \$66,000,000 for Navy aircraft depot maintenance. From the funds made available for this purpose, the conferees urge the Navy to give priority consideration for critical and emergent P-3C and EP-3 sustainment including phase depot maintenance, Enhanced Special Structural Inspections (ESSI), and inventory sustainment initiatives, as in the Chief of Naval Operations' fiscal year 2005 unfunded priority list submission to the congressional defense committees. (identified)

IRAQ FREEDOM FUND

The conference agreement includes \$3,800,000,000 for the Iraq Freedom Fund. Of this amount, \$1,800,000,000 is only for classified activities, and is described further in a classified annex to this report. Additionally, the conferees direct that up to \$100,000,000 shall be available for the Department of Homeland Security, "United States Coast Guard, Operating Expenses".

PROCUREMENT

The following table provides details of the recommendation for the procurement accounts:

[In thousands of dollars]

Account	Conference
Procurement of Weapons and Tracked Combat Vehicles, Army:	
Rapid Fielding Initiative.....	40,000
Weapons/Small Arms.....	10,000
Total Procurement of WTCV, Army.....	<u>50,000</u>
Procurement of Ammunition, Army:	
Small Arms Ammunition.....	100,000
Flares, Aircraft Survivability.....	10,000
Total Procurement of Ammunition, Army.....	<u>110,000</u>
Other Procurement, Army:	
Armored HMMWVs (formerly M1114 Up-Armor HMMWV, Force Protection).....	572,000
Rapid Response Force Protection Initiative (formerly Vehicle Bolt-on Armor and Emerging Requirements).....	100,000
Rapid Fielding Initiative.....	65,000
EOD Robots.....	5,000
REF Improvised Explosive Device (IED) Initiative...	10,000
Predator SATCOM Upgrades.....	3,000
Total Other Procurement, Army.....	<u>755,000</u>
Aircraft Procurement, Navy:	
Aircraft Survivability Equipment.....	34,000
CH-53 T64 engine government reliability improvement.....	40,000
CH-46 engine reliability improvement program (ERP).....	5,000
Total Aircraft Procurement, Navy.....	<u>79,000</u>
Procurement of Ammunition, Navy and Marine Corps:	
Unfunded Requirements/Ammunition Expended.....	20,000
Flares, Aircraft Survivability.....	10,000
Total Procurement of Ammunition, Navy and Marine Corps...	<u>30,000</u>
Procurement, Marine Corps:	
Bolt-on Armor Kits/Vehicle Hardening.....	150,000
Total Procurement, Marine Corps.....	<u>150,000</u>
Other Procurement, Air Force:	
DCGS - ETP SATCOM Ground Stations	95,000
Up-Armored HMMWV.....	15,000
Total Other Procurement, Air Force.....	<u>110,000</u>
Procurement, Defense-Wide:	
SOCOM Unfunded Requirements.....	50,000
Total Procurement, Defense-Wide.....	<u>50,000</u>
National Guard and Reserve Equipment:	
Equipment for Deployment to OIF/OEF.....	50,000
Total National Guard and Reserve Equipment.....	<u>50,000</u>
Total Procurement.....	<u>1,384,000</u>

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RAPID RESPONSE FORCE PROTECTION INITIATIVE

The conferees agree with the direction expressed in the Senate-passed version of the fiscal year 2005 DoD Appropriations bill on the need to provide improved force protection for deployed forces. Further, the

✓ Conferees agree with the Senate that the Army must be given the greatest flexibility possible with regard to force protection responses. As stated in the Senate report, these options may include armor bolt-on kits for M113A2/3 armored personnel carriers, other bolt-on armor kits, applied up-armor system, armored cabs, or armored security vehicles (ASV).

Accordingly, the conferees provide \$100,000,000 for this effort. The Secretary of the Army shall provide a report to the congressional defense committees detailing all expenditures made using these funds not later than January 5, 2005.

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REVOLVING AND MANAGEMENT FUNDS

DEFENSE WORKING CAPITAL FUNDS

The conferees recommend an appropriation of \$1,478,000,000 for the Defense Working Capital Funds instead of \$1,250,000,000 as proposed by the House and \$740,000,000 as earmarked in the Iraq Freedom Fund by the Senate.

OTHER DEPARTMENT OF DEFENSE PROGRAMS

DEFENSE HEALTH PROGRAM

The conferees provide \$683,000,000 for the Defense Health Program. These funds will cover additional costs incurred by the military medical system, including costs associated with improving medical readiness for Ready Reserve members, and enhanced TRICARE benefits for members of the Reserve Component and their families. The conferees believe this will be sufficient to cover increased Defense Health Program costs for at least four months.

GENERAL PROVISIONS – THIS TITLE

The conferees agree to retain section 9001 as proposed by the House, which provides that funds in this title are available for obligation upon enactment of this Act. The Senate proposed similar language.

The conferees agree to retain section 9002 as proposed by the House which provides that funds made available in this title are in addition to amounts provided elsewhere in this Act.

The conferees agree to retain and amend section 9003 as proposed by the House, which provides for transfer between appropriations of up to \$1,500,000,000 of funds made available in this title, and which amends Section 8005 of the Department of Defense Appropriations Act, 2004 by striking \$2,100,000,000 and inserting \$2,800,000,000, and providing that transfers among military personnel appropriations shall not be taken into account for purposes of the limitation under this section. Additionally, the provision repeals, upon enactment of this Act, Section 168(a) of division H of the Consolidated Appropriations Act, 2004 (Public Law 108-199). The Senate did not address this matter.

(addressed this in title VIII of the Senate -
passed bill.

The conferees agree to retain section 9004 as proposed by the House, which provides that funds appropriated in title IX of this Act for intelligence activities are deemed to be authorized for purposes of section 504 of the National Security Act of 1947. The Senate ~~did not address this matter.~~

The conferees agree to retain and amend section 9005 as proposed by the House and the Senate, which prohibits the use of funds provided in title IX to finance programs or activities denied by Congress for fiscal years 2004 or 2005 and requires written notification prior to initiating new start programs.

The conferees agree to delete language as proposed by the House, which would have continued authorization for certain travel and clothing allowances during fiscal year 2005. The Senate did not address this matter.

The conferees agree to delete language as proposed by the House, which would have continued through September 30, 2005, authorization for certain military pay and allowances. The Senate did not address this matter.

The conferees agree to retain and amend section 9006 as proposed by the House, which provides for support to military and security forces in Iraq and Afghanistan and provides \$500,000,000 from funds available for operation and maintenance in this title to train and equip the New Iraqi

Army and the Afghan National Army, and directs certain reports. The Senate included a similar provision.

The conferees agree to retain and amend section 9007 as proposed by the House and the Senate, which provides that from funds made available in this title, \$300,000,000 may be used to fund the Commander's Emergency Response Program.

The conferees agree to retain section 9008 as proposed by the Senate which provides for an increase in drawdown authority provided under the Afghan Freedom Support Act of 2002. The House included a similar provision.

The conferees agree to retain section 9009 as proposed by the Senate which provides that funds available for operation and maintenance for the current fiscal year may be used for support to coalition forces in Iraq and Afghanistan, and directs quarterly reports. The House included similar language.

The conferees agree to retain section 9010 as proposed by the House which requires periodic reports on military operations in Iraq and Afghanistan; amounts expended; military readiness, recruitment and retention; and other subjects. The Senate did not address this matter.

The conferees agree to retain section 9011 as proposed by the House which reaffirms that torture of prisoners of war and detainees is illegal and does not reflect the policies of the United States. The Senate did not address this matter.

The conferees agree to retain and amend section 9012 as proposed by the House which directs the President to provide a report on estimated costs, from fiscal year 2006 to 2011, of operations in and around Iraq and Afghanistan. The Senate did not address this matter.

The conferees agree to delete language as proposed by the House pertaining to the debt ceiling. The Senate did not address this matter.

The conferees agree to delete language as proposed by the House which would have directed the Secretary of Defense to provide a list of contracts entered into by the Department of Defense for security, translation, and interrogation services in Iraq, Afghanistan, or Guantanamo Bay, and the amount of each contract. The Senate did not address this matter.

The conferees agree to retain section 9013 as proposed by the House which provides that none of the funds made available in this title may be used to fund any contract in contravention of section 8(d)(6) of the Small Business Act. The Senate did not address this matter.

The conferees agree to include a new provision, section 9014, which provides for the presentation of promotional materials to members of the active and reserve component who participate in Operation Enduring Freedom or Operation Iraqi Freedom.

The conferees agree to include a new provision, section 9015, which provides that for the purposes of Section 402(a) (2) of S. Con. Res. 95 (108th Congress), as made applicable to the House of Representatives by H. Res. 649 (108th Congress), all funds provided in this title, and those made available by transfer or pursuant to authority in section 9003 of the conference report, are directly in support of national security and U.S. forces in the field, are sudden, meet an urgent and compelling need, are unpredictable, and are not permanent in nature.

Title X

Other Matters

Chapter 1

Department of State

Administration of Foreign Affairs

Diplomatic and Consular Programs

The conference agreement includes \$665,300,000 for necessary expenses for the operations of the United States Mission in Iraq as proposed in the House bill, including \$240,000,000 for logistical support, \$18,800,000 for the costs of worldwide OpenNet and classified connectivity infrastructure, \$70,000,000 for the State Department operations in Iraq, and \$336,500,000 for the security-related costs, including equipment, armored vehicles, protective details and contract support. The conferees direct the Department, not later than 60 days after the date of enactment of this Act, to provide a report to the Committees on Appropriations describing how, within these categories, the Department allocated the funds provided under this heading. The report shall also describe how the Department intends to allocate any remaining balances.

Embassy Security, Construction, and Maintenance

The conference agreement includes \$20,000,000 for necessary expenses of securing interim United States Mission facilities in Iraq, as proposed in the House bill.

GENERAL PROVISIONS, THIS CHAPTER

Sec. 11001. The conference agreement includes language, as proposed in the Senate bill, regarding the Manufacturing Extension Partnership program.

Sec. 11002. The conference agreement includes language, similar to language proposed in the Senate bill, providing \$50,000,000 to reimburse State and local law enforcement agencies for security costs associated with the 2004 Presidential Candidate Nominating Conventions in New York, NY and Boston, MA.

Sec. 11003. The conference report includes new language providing \$26,000,000 to the Federal Judiciary for unanticipated costs related to defender services.

Sec. 11004. The conference agreement includes language, as proposed in the House bill, regarding certain transfer, reprogramming, and other authorities applicable to amounts provided in this title for the Department of State.

For purposes of section 402(a)(2) of S. Con. Res. 95(108th Congress), as made applicable to the House of Representatives by H. Res. 649 (108th Congress) and applicable to the Senate by section 14007 of this Act, funds provided in this chapter are provided in response to situations which pose direct threats to life and property, are sudden, are urgent and compelling needs, are unpredictable, and are not permanent in nature.

Chapter 2

Bilateral Economic Assistance Funds Appropriated to the President United States Agency for International Development International Disaster and Famine Assistance

The conference agreement appropriates \$70,000,000 for necessary expenses to respond to the humanitarian crisis in the Darfur region of Sudan and in Chad, as proposed by the House and the Senate. Language is included elsewhere in this title that designates the funding as an emergency requirement. The funds are available until expended, and become available for obligation upon enactment into law of this Act.

For purposes of section 402(a) (2) of S. Con. Res. 95 (108th Congress), as made applicable to the House of Representatives by H. Res. 649 (108th Congress) and applicable to the Senate by section 14007 of this Act, funds provided under this heading are provided in response to a situation which poses a direct threat to life and property, is sudden, is an urgent and compelling need, is unpredictable, and is not permanent in nature.

Department of State
Migration and Refugee Assistance

The conference agreement appropriates \$25,000,000 for necessary expenses to respond to the humanitarian crisis in the Darfur region of Sudan and in Chad, as proposed by the House and the Senate. Language is included elsewhere in this title that designates the funding as an emergency requirement. The funds are available until expended, and become available for obligation upon enactment into law of this Act.

For purposes of section 402(a)(2) of S. Con. Res. 95 (108th Congress), as made applicable to the House of Representatives by H. Res. 649 (108th Congress) and applicable to the Senate by section 14007 of this Act, funds provided under this heading are provided in response to a situation which poses a direct threat to life and property, is sudden, is an urgent and compelling need, is unpredictable, and is not permanent in nature.

General Provisions, This Chapter

Sec. 12001. The conference agreement includes language, as proposed in the Senate bill, regarding provision of surplus military equipment to Israel.

Sec. 12002. The conference agreement includes language, as proposed in the Senate bill, regarding Foreign Assistance Act provisions.

Chapter 3

SUPPLEMENTAL WILDLAND FIRE SUPPRESSION ~~FUNDING~~ ACTIVITIES APPROPRIATIONS FOR FISCAL YEAR 2004 FOR URGENT

This chapter provides urgently needed supplemental funds in the amount of \$500,000,000 for the fiscal year 2004 wildfire suppression needs of the Department of the Interior and the Forest Service, and provides that cost containment measures be implemented. This funding includes \$100,000,000 for the Department of the Interior, through the Bureau of Land Management wildland fire management account and \$400,000,000 for the Forest Service wildland fire management account.

DEPARTMENT OF THE INTERIOR

Bureau of Land Management

Wildland Fire Management

The managers have included an additional \$100,000,000 for “Wildland Fire Management”, in fiscal year 2004.

DEPARTMENT OF AGRICULTURE

Forest Service

Wildland Fire Management

The managers have included an additional amount of \$400,000,000 for “Wildland Fire Management”, in fiscal year 2004.

Chapter 4

General Provisions – This Title

Sec. 14001. Appropriations provided in this title are available for obligation until September 30, 2005, unless otherwise so provided in this title.

Sec. 14002. Funds in this title are available for obligation and authorities in this title shall apply upon enactment of this Act.

Sec. 14003. The conference agreement includes language, which amends a Senate provision, regarding amendments to Public Law 108-199 related to the distribution of Federal-Aid Highways funding for fiscal year 2004.

Sec. 14004. The conference agreement includes language, which amends a Senate provision, to include a technical correction relating to the name of a project grantee funded under the heading "Institute of Museum and Library Services" in title IV of the Departments of Labor, Health and Human Services, and Education and Related Agencies Appropriations Act, fiscal year 2004.

Sec. 14005. The conference agreement includes new language that extends the availability of \$10,600,000 for the District of Columbia Public Schools until September 30, 2005.

Sec. 14006. The conference agreement includes a new technical clarification to 8 U.S.C. 11184 (8)(1)(B).

Sec. 14007. The conferees agreed to a new provision, applicable to the Senate, setting for fiscal year 2005 a discretionary spending level in the Senate of \$821,419,000,000, and permitting further adjustments as allowed under the terms of the conference report on S. Con Res. 95, the concurrent resolution setting forth the congressional budget for the United States Government for fiscal year 2005, as contained in House Report 108-498, filed in the House of Representatives on May 19, 2004. This provision does not trigger the application of House Rule XXVII.

Sec. 14008. The conference agreement includes a new provision which provides that appropriations in chapters 1 and 2 of this title are each designated as emergency appropriations pursuant to section 402 of S. Con. Res. 95 (108th Congress), as made applicable to the House of Representatives by H. Res. 649 (108th Congress) and applicable to the Senate by section 14007 of this Act.

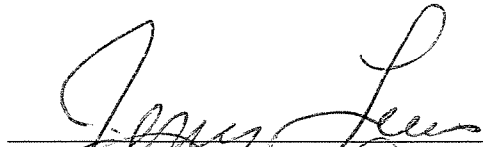
CONFERENCE TOTAL--WITH COMPARISONS

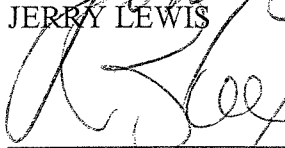
The total new budget (obligational) authority for the fiscal year 2005 recommended by the Committee of Conference, with comparisons to the fiscal year 2004 amount, the 2005 budget estimates, and the House and Senate bills for 2005 follow:

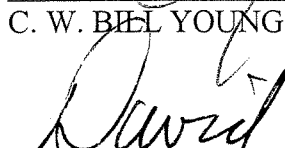
(In thousands of dollars)	
New budget (obligational) authority, fiscal year 2004.....	\$ 365,772,453
Budget estimates of new (obligational) authority, fiscal year 2005.....	392,824,305
House bill, fiscal year 2005.....	391,170,100
Senate bill, fiscal year 2005.....	384,012,400
Conference agreement, fiscal year 2005.....	391,170,312
Conference agreement compared with:	
New budget (obligational) authority, fiscal year 2004.....	+25,397,859
Budget estimates of new (obligational) authority, fiscal year 2005.....	-1,653,993
House bill, fiscal year 2005.....	+212
Senate bill, fiscal year 2005.....	+7,157,912

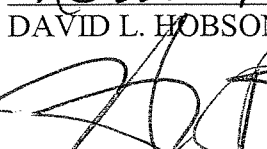
Managers on the part of the

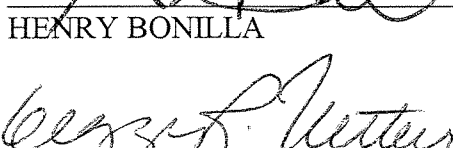
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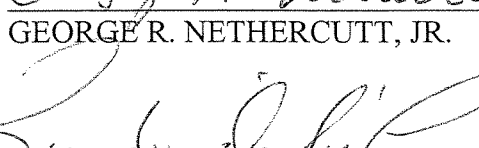

JERRY LEWIS

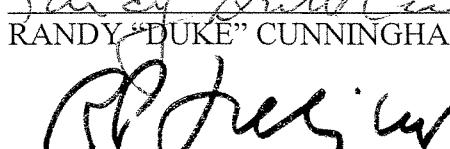

C. W. BILL YOUNG

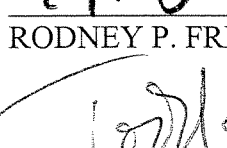

DAVID L. HOBSON

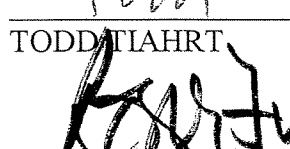

HENRY BONILLA

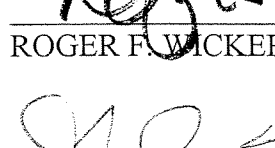

GEORGE R. NETHERCUTT, JR.

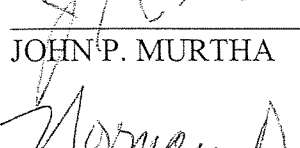

RANDY "DUKE" CUNNINGHAM


RODNEY P. FRELINGHUYSEN


TODD TIAHRT


ROGER F. WICKER

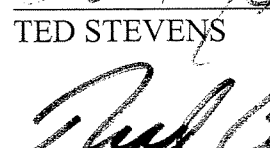

JOHN P. MURTHA



NORMAN D. DICKS

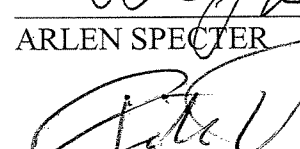
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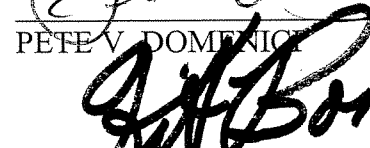
SENATE


TED STEVENS

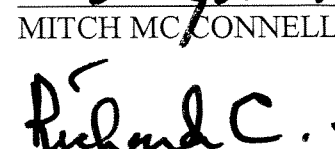

THAD COCHRAN

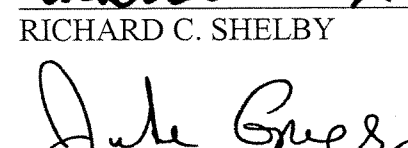

ARLEN SPECTER

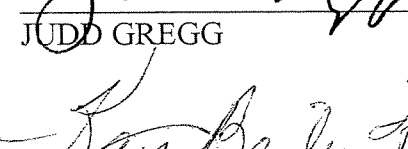

PETE V. DOMENICI

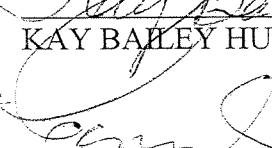

CHRISTOPHER S. BOND

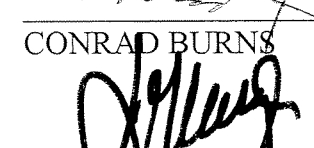

MITCH MC CONNELL


RICHARD C. SHELBY


JUDD GREGG


KAY BAILEY HUTCHISON


CONRAD BURNS


DANIEL K. INOUE

Martin Olav Sabo
MARTIN OLAV SABO

Peter J. Visclosky
PETER J. VISCLOSKY

James P. Moran
JAMES P. MORAN

David R. Obey
DAVID R. OBEY

Ernest F. Hollings Except for
deeming.
Section 5
ERNEST F. HOLLINGS

Robert C. Byrd EXCEPT FOR THE SECTION
DEEMING FY 2005
DISCRETIONARY SPENDING
LIMITS.
ROBERT C. BYRD

Patrick J. Leahy Except for Deeming section
PATRICK J. LEAHY

Tom Harkin Except for
deeming
Section 5
TOM HARKIN

Byron L. Dorgan Except for
deeming
section -
BYRON L. DORGAN

Richard J. Durbin Except for FY 2005
deeming section
RICHARD J. DURBIN

Harry Reid Except for
deeming section
HARRY REID

Dianne Feinstein Except for
deeming section
DIANNE FEINSTEIN